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IN REPLY REFER TO
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08 June 1999

From: Chief of Naval Operations (N889H)
To: Commander, Naval Air Systems Command (PMA205-3A)

Subj: REQUEST FOR APPROVAL OF PROPOSED NAVY TRAINING SYSTEMS PLAN (NTSP) FOR THE NAVAL MISSION PLANNING SYSTEM (NAVAMPS), N88-NTSP-A-50-9301C/A

Ref: (a) COMNAVAIRSYSCOM ltr 1500 Ser PMA205-3A/041999 of 14 Apr 1999

Encl: (1) CNO ltr 1500 Ser N889H7/9U662160 of 08 Jun 99
(2) NTSP dated March 1999

1. In reply to reference (a), subject NTSP has been reviewed. The request for fleet distribution is approved after incorporation of the changes marked in enclosure (1). The NTSP will be distributed via the OPNAV N889H (Naval Aviation Technical Training) web site (http://www.avtechtra.navy.mil). If your activity is unable to access the OPNAV web site and download the subject NTSP for review, contact AVCM (AW) R. Lovern at DSN 757-9183, Comm: (301) 757-9183 for assistance.

2. OPNAV point of contact is AZC (AW) M. S. Dean (N889H7), DSN 664-7714, Comm: (703) 604-7714.

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TOTAL P.0:

EXECUTIVE SUMMARY

This Naval Mission Planning System (NavMPS) Navy Training System Plan (NTSP) addresses the continued fleet introduction of NavMPS hardware, the incorporation of the current Tactical Automated Mission Planning System (TAMPS) software release 6.1, 6.1.1, and 6.2K. Additionally, this NTSP is an update to the previous TAMPS Navy Training Plan (NTP) and has been reformatted, in accordance with the latest guidance provided by the Chief of Naval Operations (CNO).

The NavMPS provides the Navy and Marine Corps with an automated method of mission planning and optimizing routes for strike warfare. NavMPS provides mission planners with a computer-based system capable of rapidly processing large quantities of digitized terrain, threat data, and environmental data, as well as, aircraft and weapon system parameters. In addition, NavMPS also provides digital download capabilities (i.e., JTIDS, GPS, EMDU, F/A-18 MU, etc.).

The NavMPS system includes software and a tactical computing system. TAMPS software 6.1 is hosted on the Desktop Tactical Computer-II (DTC-II) or the portable work station All Computing Environments/Versa Modular Europa (ACE/VME). Software release 6.1.1 is a rehost of software release 6.1 for the SUN ULTRA 2. Software release 6.2K is hosted on the SUN ULTRA 2 and the Aircraft Carrier Intelligence Center (CVIC) Enterprise 4000 and 2300 configurations. The TAMPS software version 6.1 became available during the first quarter of FY98, 6.1.1 became available in February 1998, and 6.2K was released in December 1998.

A properly maintained NavMPS system (hardware and software) will greatly enhance the ability of associated aircrews to rapidly plan missions and evaluate potential threats with greater accuracy. This will increase mission effectiveness, and at the same time, increase aircraft survivability.

Instructor requirements at the Fleet Replacement Squadrons (FRSs), the weapon schools, the Sea-Based Weapons and Advanced Tactics School, Pacific (SWATSCOLPAC), and the Navy and Marine Corps Intelligence Training Center (NMITC) remain consistent with existing billet structure. Fleet and fleet support billet requirements will also remain consistent.

Since the approval of the preceding NTSP, various refinements have been made in the NavMPS community. The following is a brief description of changes that have occurred:

- The introduction schedule has been modified to meet current NavMPS deliveries.

- Technical Training Equipment delivery schedules and Ready For Training (RFT) dates have been updated to reflect current planning.

- The SUN ULTRA 2, CVIC Enterprise 4000 and 2300 information has been incorporated.

- The Navy - Portable Flight Planning Software (N-PFPS) information has been incorporated.

- The Tactical Strike Coordination Manager (TSCM) information has been incorporated.

This NTSP contains Navy and Marine Corps Active Duty (ACDU), Navy Selected Reserves (SELRES), and Selected Marine Corps Reserve (SMCR) Manpower, Personnel and Training requirements regarding the NavMPS. As future modifications are made to the NavMPS program, they will be included in this NTSP via the annual review/revision process.

NAVAL MISSION PLANNING SYSTEM

(NAVMPS)

NAVY TRAINING SYSTEM PLAN

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LIST OF ACRONYMS

ACDU/AD	- Active Duty
ACE/VME	- All Computing Environments/Versa Modular Europa
ACO	- Airspace Control Order
AD	- Aircraft Division
ALSP	- Acquisition Logistics Support Plan
ALTIS	- Aviation Logistics Tactical Information Systems
AOB	- Average On-Board
ARC	- Arc-second Raster Chart
ATIR	- Annual Training Input Requirements
ATM	- Asynchronous Transfer Mode
ATO	- Air Tasking Order
CAG	- Carrier Air Group
CBT	- Computer Based Training
CDBA	- Common Data Base Access
CD-ROM	- Compact Disk Read Only Memory
CFE	- Contractor Furnished Equipment
CHNAVPERS	- Chief of Naval Personnel
CIB	- Controlled Image Base
CIN	- Course Identification Number
CINCLANTFLT	- Commander-in-Chief, U.S. Atlantic Fleet
CINCPACFLT	- Commander-in-Chief, U.S. Pacific Fleet
CJTF	- Commander Joint Task Force
CMC	- Commandant of the Marine Corps
CNET	- Chief of Naval Education and Training
CNO	- Chief of Naval Operations
COMNAVAIRSYSCOM	- Commander, Naval Air Systems Command
COMNAVPERSCOM	- Commander, Naval Personnel Command
COMOPTEVFOR	- Commander, Operational Test and Evaluation Force
COMTRALANT	- Commander, Training Command Atlantic Fleet
COTS	- Commercial Off-The-Shelf
CPU	- Central Processing Unit
CV	- Aircraft Carrier
CVIC	- Aircraft Carrier Intelligence Center
CVN	- Aircraft Carrier, Nuclear Powered

LIST OF ACRONYMS
(Continued)

DA	- Developing Activity
DAFIF	- Digital Aeronautical Flight Information Files
DBA	- Data Base Administration/Administrator
DIA	- Defense Intelligence Agency
DPM	- Data Preparation and Maintenance
DS	- Data Systems Technician
DSU	- Data Storage Unit
DT	- Development Test
DTC	- Desktop Tactical Computer
DTED	- Digital Terrain Elevation Data
ECWS	- Electronic Combat Weapons School
EMDU	- Enhanced Main Display Unit
ER	- Extended Response
ET	- Electronics Technician
FAMP	- Forward Area Minefield Planning
FIT	- Fleet Introduction Team
FRS	- Fleet Replacement Squadron
FY	- Fiscal Year
GB	- Gigabyte
GCCS - M	- Global Command and Control System - Maritime
GFE	- Government Furnished Equipment
GOTS	- Government Off-The-Shelf
GPETE	- General Purpose Electronic Test Equipment
GPTE	- General Purpose Test Equipment
GPS	- Global Positioning System
HARM	- High Speed Anti-Radiation Missile

LIST OF ACRONYMS
(Continued)

IDB	- Integrated Data Base
IPC	- Inter-Process Communications
IS	- Intelligence Specialist
IV&V	- Independent Verification and Validation
JDAM	- Joint Direct Attack Munition
JMPS	- Joint Mission Planning System
JSOW	- Joint Stand Off Weapon
JTIDS	- Joint Tactical Information Distribution System
JTF	- Joint Task Force
LAN	- Local Area Network
LRU	- Lowest Replaceable Unit
MAG	- Marine Aircraft Group
MAW	- Marine Aircraft Wing
MAWTS-1	- Marine Aviation Weapons and Tactics Squadron One
MB	- Megabyte
MCCDC	- Marine Corps Combat Development Center
MDL	- Mission Data Loader
MFCDU	- Multi Function Control and Display Unit
MHz	- Mega Hertz
MIDB	- Modernized Integrated Database
MINEWARTRACEN	- Mine Warfare Training Center
MOS	- Military Occupational Specialty
M&P	- Manpower and Personnel
MPE	- Mission Planning Executive
MPF	- Mission Planning Function
MPM	- Mission Planning Module
MRC	- Maintenance Requirements Card
MU	- Memory Unit

LIST OF ACRONYMS
(Continued)

NAS	- Naval Air Station
NATOPS	- Naval Air Training and Operating Procedures Standardization
NAVAIRLANT	- Naval Air Force Atlantic Fleet
NAVAIRPAC	- Naval Air Force Pacific Fleet
NAVAIRSYSCOM	- Naval Air Systems Command
NavMPS	- Naval Mission Planning System
NAWC	- Naval Air Warfare Center
NEC	- Navy Enlisted Classification
NFO	- Naval Flight Officer
NIMA	- National Imagery and Mapping Agency
NIOBC	- Naval Intelligence Officer Basic Course
NMITC	- Navy and Marine Corps Intelligence Training Center
NOBC	- Navy Officer Billet Classification
N-PFPS	- Navy - Portable Flight Planning Software
NSAWC	- Naval Strike and Air Warfare Center
NTP	- Navy Training Plan
NTSP	- Navy Training System Plan
OFP	- Operational Flight Program
OPO	- OPNAV Principal Official
OT	- Operational Test
PC	- Personal Computer
PEO	- Program Executive Office
PMA	- Program Manager, Air
PMOS	- Primary Military Occupational Specialty
PNEC	- Primary Navy Enlisted Classification
RAM	- Random Access Memory
RDD	- Required Delivery Date
RFT	- Ready For Training

LIST OF ACRONYMS
(Continued)

SA	- System Administrator
SEACONWPNSLANT	- Sea Control Weapons School, Atlantic
SELRES	- Selected Reserve
SF	- System Functions
SFWSLANT	- Strike Fighter Weapons School, Atlantic
SFWSPAC	- Strike Fighter Weapons School, Pacific
SLAM	- Stand-off Land Attack Missile
SLATS	- Strike Lead Air Training Syllabus
SMCR	- Selected Marine Corps Reserve
SMOS	- Secondary Military Occupational Specialty
SNEC	- Secondary Navy Enlisted Classification
SPAWAR	- Space and Naval Warfare System Center
SPETE	- Special Purpose Electronic Test Equipment
SPTE	- Special Purpose Test Equipment
SRU	- Shop Replaceable Unit
SSA	- Software Support Activity
SWATSCOLPAC	- Sea-Based Weapons and Advanced Tactics School, Pacific
SWATSLANT	- Strike Weapons and Tactics School, Atlantic
TAC	- Tactical Advanced Computer
TACAIR	- Tactical Aircraft
TACMAN	- Tactical Manual
TACTRAGRU	- Tactical Training Group
TAMMAC	- Tactical Aircraft Moving Map Capability
TAMPS	- Tactical Automated Mission Planning System
TBD	- To Be Determined
TEAMS	- Tactical EA-6B Mission Support
TID	- Tactical Information Device
TSA	- Training Support Agency
TSCM	- Tactical Strike Coordination Manager
TTC	- Tactical Tape Cartridge
TTE	- Technical Training Equipment

LIST OF ACRONYMS
(Continued)

UAV	- Unmanned Aerial Vehicles
ULSS	- User Logistic Support Summary
UPS	- Uninterruptable Power Supply
USMC	- United States Marine Corps
USMTF	- United States Message Text Format
USN	- United States Navy
WD	- Weapons Division
Y2K	- Year 2000

PART I - TECHNICAL PROGRAM DATA

Section **I.A. TITLE - NOMENCLATURE - PROGRAM**

1. Naval Mission Planning System (NavMPS), AN/UYQ-81(V)

2. Program Element Number: 0204571N

Section **I.B. SECURITY CLASSIFICATION**

1. Selected System Capabilities: SECRET

2. Hardware: UNCLASSIFIED

3. System Description: UNCLASSIFIED

4. Navy Training System Plan: UNCLASSIFIED

Section **I.C. NTSP PRINCIPALS**

OPNAV Principal Official (OPO) Program Sponsor:	CNO (N6/N62H)
OPO Resource Sponsor:	CNO (N6/N62H)
MPM Resource Sponsor:	CNO (N88/N880G9)
Marine Corps Program Sponsor:	CMC (APW)
Developing Activity (DA):	Program Executive Office for Tactical Aircraft Programs (PEO(T))/PMA233
Training Agency (TA):	CNET/CINCLANTFLT/ CINCPACFLT/MCCDC
Training Support Agency (TSA):	COMNAVAIRSYSCOM (PMA205)

Manpower and Personnel (M&P) Mission Sponsor:	CNO (N1, N7), COMNAVPERSCOM/CMC (ASM)
Director of Naval Training:	CNO (N7)
Commandant of the Marine Corps (CMC) Manpower Management:	CMC (MMOA-2, MMEA-84)

Setion **I.D. SYSTEM DESCRIPTION**

1. **Operational Uses**. The Naval Mission Planning System (NavMPS) currently provides the Navy and Marine Corps with an automated method of mission planning and optimizing routes for strike warfare. NavMPS provides mission planners with a computer-based system capable of rapidly processing large quantities of digitized terrain, threat and environmental data, aircraft and weapon system parameters, and imagery. NavMPS is a proven tactical mission planning system that has demonstrated the ability to effectively integrate intelligence data for Navy and Marine Corps fixed-wing and rotary-wing aircraft, stand-off weapons, avionics systems, mission support systems, and unmanned aerial vehicles. Strike planners meet mission objectives by using NavMPS' extensive databases to generate applicable mission planning products (e.g., strip charts, radar predictions, flight plans, and data transfer to Data Storage Units (DSUs), Memory Units (MUs), Mission Data Loaders (MDLs), and Tactical Tape Cartridges (TTCs)). These NavMPS products greatly increase the probability of mission success while providing the capability to greatly decrease mission planning and weapon system preflight preparation time.

Section **I.E. DEVELOPMENTAL TEST (DT) AND OPERATIONAL TEST (OT)**. The NavMPS program is based upon an evolutionary acquisition strategy. This allows the NavMPS to be fielded while enhancements are developed in a series of software releases and hardware updates. NavMPS DTs and OTs are structured to ensure that new software and hardware updates incorporate requirements generated from fleet use of previous software releases and hardware configurations.

1. The Tactical Automated Mission Planning System (TAMPS) 6.1.1 software completed testing during the first quarter of FY98.

2. The Navy - Portable Flight Planning Software (N-PFPS) completed testing during the first quarter of FY98.

3. The TAMPS 6.2 software began testing during the first quarter of FY99. An interim report on TAMPS 6.2 was released 16 December 1998, OPNAV released 6.2K in a stand alone mode on 21 December 1998.

4. The Tactical Strike Coordination Manager (TSCM) software is planned to complete testing during the fourth quarter of FY99.

5. The Joint Mission Planning System (JMPS) developmental software is planned to complete testing during the fourth quarter of FY01.

Section **I.F. EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED**. The NavMPS strategic goals are to continually provide the fleet strike planners with a user-friendly, automated mission planning system that processes mission critical information quickly, accurately, and reliably.

1. For most activities receiving NavMPS systems for the first time, NavMPS will augment the manual method of presenting threat data to the mission planners and automate mission route planning and chart development.

2. For most activities currently utilizing a NavMPS system, the older version will be replaced by updated hardware and software. This transition provides the fleet a faster system with expanded memory, improved graphics, and media transfer and printing capabilities that are essential to ensuring operational readiness and usability. To those ends the TAMPS software release 6.1 is hosted on the All Computing Environments/Versa Modular Europa (ACE/VME) and software release 6.1.1, a rehost of software release 6.1, is hosted on the SUN ULTRA 2.

3. Currently, the NavMPS hardware is migrating from UNIX based systems to a Personal Computer (PC) based system with the introduction of the autonomous N-PFPS to be followed by JMPS hosted on Navy standard PC computers. Software release 6.2K is hosted on the SUN ULTRA 2 and the Aircraft Carrier Intelligence Center (CVIC) Enterprise 4000 and 2300.

Section **I.G. DESCRIPTION OF NEW DEVELOPMENT**

1. **Functional Description**. NavMPS is a stand-alone, software driven computer system currently capable of providing the mission planner with strip charts, radar predictions and reports. Mission routes will be defined by specifying turn points and flight conditions. The outputs from NavMPS can be electronically transferred to aircraft platforms utilizing DSUs, MUs, MDLs, or TTCs as applicable.

a. **Software**. The software is designed with a modular architecture to support mission planning requirements of the various weapon systems supported by NavMPS. A set of core modules satisfies common requirements and permits the integration of independently developed Mission Planning Modules (MPMs) and Mission Planning Functions (MPFs). This architecture greatly increases the speed and flexibility of NavMPS and allows for the ease of adding and updating specific modules without disturbing the entire suite of NavMPS software or changing the core.

(1) **Core Module**. The core module is composed of five separate modules. A majority of the functions performed by these modules are transparent to the operator, but they are essential functions that allow total system integration. The core module is required in order to accomplish mission planning and provide accessibility to update all threat data, geographic information, and other data files. The core module also allows the operator to execute mission packages, where relative strike mission planning data is distributed to all applicable MPMs. Listed below are the five modules comprising the core module.

(a) Common Database Access (CDBA) Module

(b) Inter-Process Communications (IPC) Module

(c) Mission Planning Executive (MPE) Module

(d) Data Preparation and Maintenance (DPM) Module

(e) System Functions (SF) Module

(2) **MPMs/MPFs**. MPMs/MPFs allow the operator/mission planner to utilize the specifications for the type aircraft and/or weapon to be used in order to effectively execute the selected mission. MPMs/MPFs are modularized in order to allow independent development and, as required, allow MPM/MPF modification without disturbing other software elements within the NavMPS. Below are the current MPM/MPF modules and their associated unique functions.

(a) **Aircraft Mission Planning Module**. The aircraft MPM software and associated Database Administration (DBA) software contain aircraft configurations and parameters as defined in the Naval Air Training and Operating Procedures Standardization (NATOPS) and Tactical Manuals (TACMANs), Naval Strike and Air Warfare Center (NSAWC)

fuel look-up tables and other applicable sources for each aircraft. The following aircraft are currently available in this MPM.

- HH-60H	- CH-53D	- KC-130F/R/T	- UH-1
- AH-1W	- CH-53E	- P-3C	- C-2
- AV-8B	- EA-6B	- S-3B	
- CH-46E	- F-14A/B/D	- SH-60B/F	

(b) **F/A-18 MPM**. The F/A-18 MPM and DBA software contain the current F/A-18 aircraft configurations and polynomials. In addition, this MPM allows the NavMPS to down-load mission planning data to the aircraft's MU. This MPM will receive updates as required to reflect Operational Flight Program (OFP) changes for the F/A-18 aircraft.

(c) **E-2C MPM**. The E-2C MPM contains the current E-2C aircraft polynomials. Additionally, it is used to modify Joint Tactical Information Distribution System (JTIDS) parameters on operational networks and provide Enhanced Main Display Unit (EMDU), Multi Function Control and Display Unit (MFCDU), map and geodesic files creation capability.

(d) **High Speed Anti-Radiation Missile (HARM) MPM**. The HARM MPM contains the current parameters and capabilities of the HARM.

(e) **Forward Area Minefield Planning (FAMP) MPM**. The FAMP MPM allows for planning of effective mine disbursement.

(f) **Stand-off Land Attack Missile (SLAM) MPM**. The SLAM MPM allows planning for missile version 2.42 only.

(g) **Global Positioning System (GPS) MPF**. The TAMPS software allows for GPS planning.

(h) **JTIDS MPF**. The JTIDS MPF will allow the E-2C and F-14D MPMs to initialize the data needs associated with a mission.

(i) The following aircraft/systems are candidates for incorporation of independent MPMs/MPFs into the NavMPS.

- E-6A	- T-45	- AV-8B (MOMS)	- JSOW
- MH-53E	- EP-3	- SH-60	- TEAMS
- P-3	- AH-1 (Mid-Life)	- V-22	- MIDS

b. **Hardware**. There are currently four hardware configurations (Desktop Tactical Computer (DTC-II), ACE/VME, SUN ULTRA 2 (1200/1300), and the CVIC system) hosting the TAMPS software. This is due to the evolutionary acquisition process which takes advantage of gains in software and hardware capabilities. Naval Air Systems Command (NAVAIRSYSCOM) (PMA-233) will coordinate the NavMPS hardware quantity and the delivery schedule with the appropriate NavMPS asset managers.

(1) **DTC-II**. The TAMPS software is hosted on the DTC-II which is comprised of Commercial Off-The-Shelf (COTS), non-developmental hardware. All of these systems will soon be retired from the fleet. The following is a list of the main hardware components of a fleet configured TAMPS DTC-II.

DTC-II HARDWARE COMPONENTS

1 Sun 4/600 w/90 MHZ HyperSPARC CPU w/128 MB RAM
1 Sun GX 8-bit Color Graphics Daughterboard
1 Megatek Dual Frame Buffer Graphics Board
1 8 Port Mux Card
2 Serial Ports
1 Ethernet Port
2 SCSI Ports
1 1553 (VME) Controller
4 4.8 GB Removable Disk Drives
1 1.2 MB 5 1/4" Disk Drive (UNIX/DOS)
1 1.44 MB 3 1/2" Disk Drive (UNIX/DOS)
1 150 MB 1/4" Tape Drive
1 5 GB 8mm Tape Drive
1 CD-ROM Drive
* 19" High Resolution Color Monitors
* Keyboards
* Rugged Trackballs
1 Laser Printer
1 Color Ink Jet Printer/Copier
1 Data Storage Unit Receptacle, and/or MDL,
and/or Tactical Information Device (TID) (as required by site)

* The quantity of monitors, keyboards, and trackballs will be dependent upon the number required by the recipient unit.

This represents a single DTC-II system. Afloat systems on Aircraft Carriers (CV/CVNs) have two DTC-IIs in a client/server environment.

(2) **ACE/VME**. The TAMPS 6.1 software runs on the portable ACE/VME. These portable systems are for squadrons to use at homebase or on detachment afloat or ashore. All of these systems will be soon retired from the fleet. The following is a list of the main hardware components of a TAMPS ACE/VME.

ACE/VME HARDWARE COMPONENTS

1 ACE/VME w/90 MHZ HyperSPARC CPU w/64 MB RAM
1 24 BIT Graphics Control Board
2 Serial Ports
1 Ethernet Port
1 SCSI Port
2 4.8 GB Disk Drives
1 1.44 MB 3 1/2" Disk Drive (UNIX/DOS)
1 8mm Tape Drive
1 CD-ROM Drive
1 17" High Resolution Color Monitor
1 Keyboard with Integrated Trackball
1 Color Ink Jet Printer
1 Data Storage Unit Receptacle, and/or MDL, and/or TID (as required by site).

(3) **SUN ULTRA 2 (1200/1300)**. The TAMPS 6.1.1 and 6.2K software is hosted on the SUN ULTRA 2 (1200/1300) which is comprised of COTS, non-developmental hardware. The SUN ULTRA 2 (1200/1300) have the capability to operate as a stand-alone system or may be connected to a Local Area Network (LAN). The SUN ULTRA 2 is year 2000 (Y2K) compliant NavMPS hardware. The following is a list of the main hardware components of a fleet configured NavMPS SUN ULTRA 2.

SUN ULTRA 2 (1200/1300) HARDWARE COMPONENTS

1 Sun Ultra 2 1200/1300 w/ 300MHz Ultra SPARC CPU w/256 MB RAM
1 9 GB Hard Drive
1 18 GB Hard Drive
1 ATM Network Card
1 1.44 MB 3 1/2" Disk Drive
1 CD-ROM Drive
1 8mm Exabyte Tape Drive
1 20" High Resolution Color Monitor
1 Keyboard
1 ITAC Trackball
1 Xerox C55MP Printer
1 DSU Receptacle, and/or MDL, and/or TID (as required by site)
1 Uninterruptable Power Supply

(4) **CVIC System**. The TAMPS 6.2K software is hosted on the CVIC system which is composed of the SUN Enterprise 4000 (Model 4002), the SUN ULTRA 2 (2300), PC clients and server printers. These hardware components are comprised of COTS, non-developmental hardware and are Y2K compliant hardware. The following is a list of the main hardware components of a fleet configured CVIC system.

CVIC SYSTEM HARDWARE COMPONENTS

Primary Server System (SUN Enterprise 4000 (Model 4002))

1 Four 250MHz CPU w/1 GB RAM
1 126 GB Disk Array
1 Ethernet Controller
1 Fibre Channel Interface
2 ATM Network Cards
1 CD-ROM Drive
1 8mm 14 GB Exabyte Tape Drive
1 17" High Resolution Color Monitor with Creator 24 Bit Graphics
1 Keyboard
1 ITAC Trackball
1 HP 6MP Printer
1 Uninterruptable Power Supply

Permanent Client System (SUN ULTRA 2 (2300))

1 Two 300MHz CPU w/512 MB RAM
1 9 GB Hard Drive
1 18 GB Hard Drive
1 Ethernet Controller
1 Fibre Channel Interface
2 ATM Network Cards
1 1.44 MB 3 1/2" Disk Drive
1 CD-ROM Drive
1 8mm Exabyte Tape Drive
1 20" High Resolution Color Monitor with Creator 24 Bit Graphics
1 Keyboard
1 ITAC Trackball
1 HP 6MP Printer (Server Mode)/Xerox C55MP Printer (Client Mode)
1 DSU Receptacle, and/or MDL, and/or TID (as required by site)
1 Uninterruptable Power Supply

PC Client System

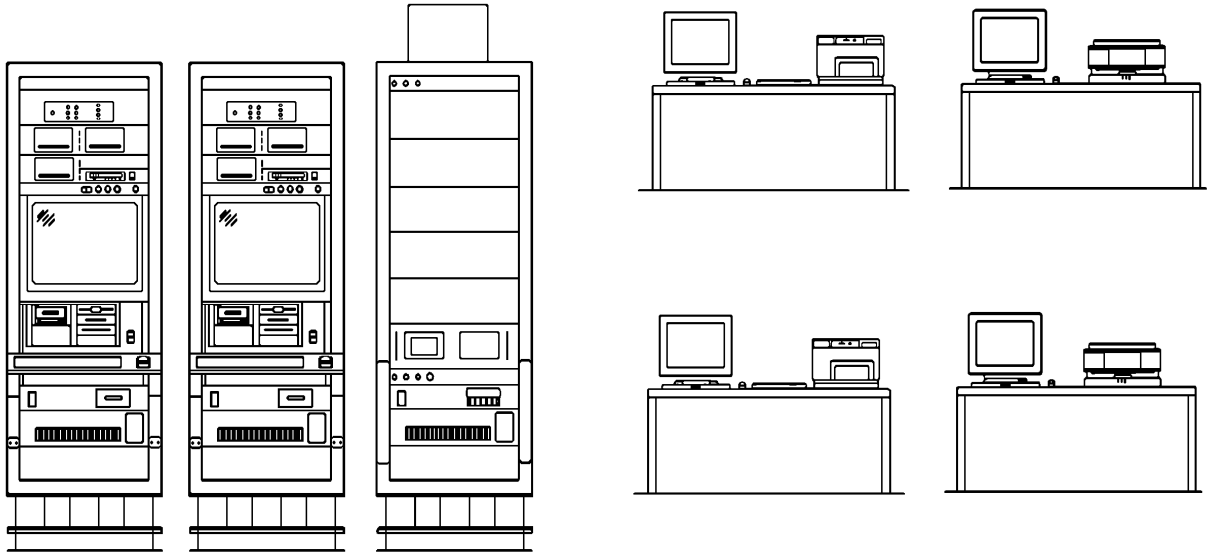
1 Pentium II, 233 MHz Processor w/80 MB RAM
1 3.5 GB Hard Drive
1 Ethernet Adapter
1 PCMICA
1 CD-ROM Drive
1 17" High Resolution Color Monitor
1 Keyboard
1 Mouse
1 Microphone
2 Speakers

Server Printers

1 High-Quality Color Laser Printer (Xerox C55)
1 Black and White Laser Printer (HP 6MP)

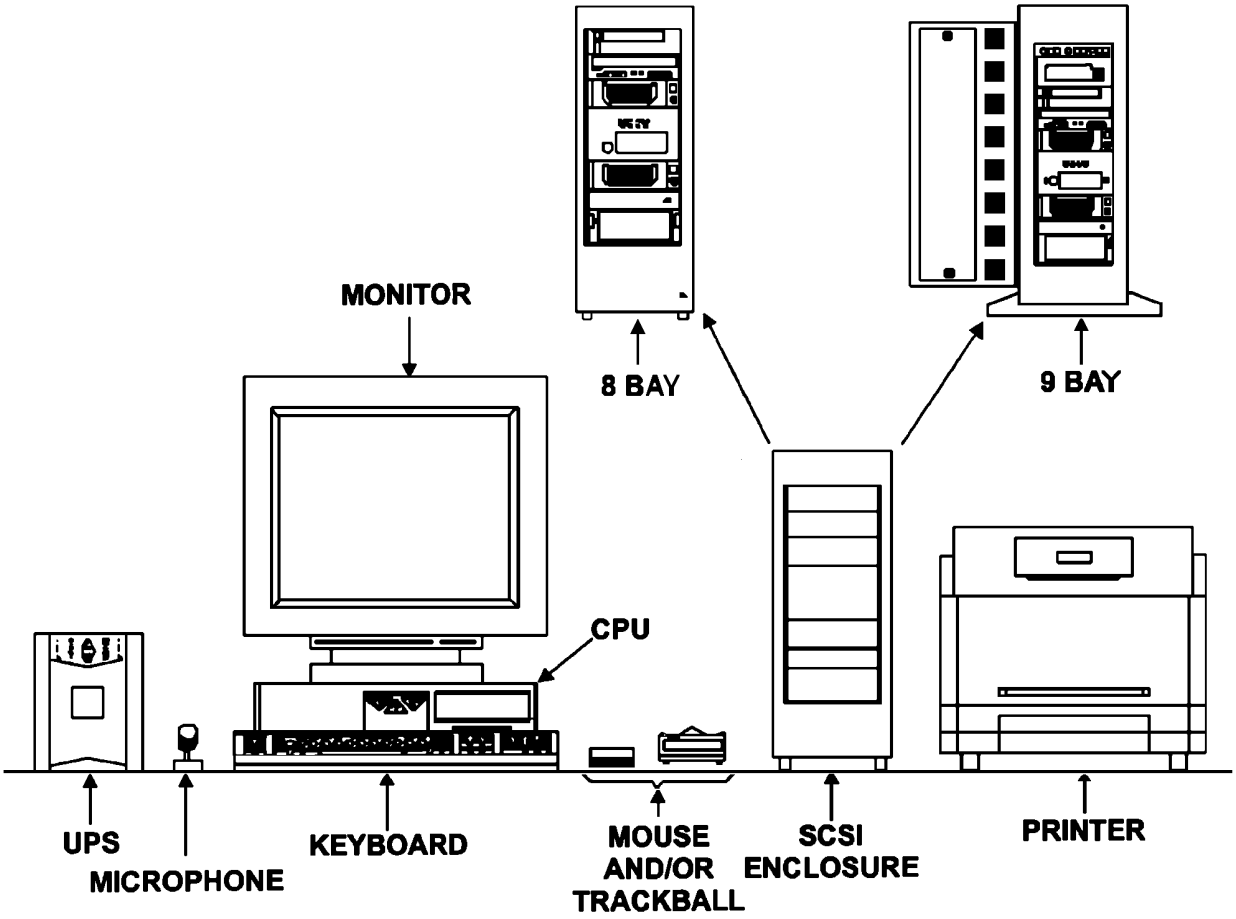
2. **Physical Description**. A fleet DTC-II configuration may contain up to three work stations and a peripheral rack. A fleet ACE/VME configuration will contain one work station and peripherals. A fleet SUN ULTRA 2 (1200/1300) configuration will contain one work station and peripherals. A fleet CVIC system configuration manages the shipboard NavMPS LAN. If a NavMPS activity receives multiple systems, only one peripheral rack will be required. The peripheral rack will contain the DSU receptacles. Depending upon the recipient activity's location and deployability, the NavMPS systems may be in a desktop or rack mounted configuration.

a. Figure 1 is considered the standard NavMPS DTC-II configuration. All other NavMPS DTC-II hardware configurations are derivatives of this setup.



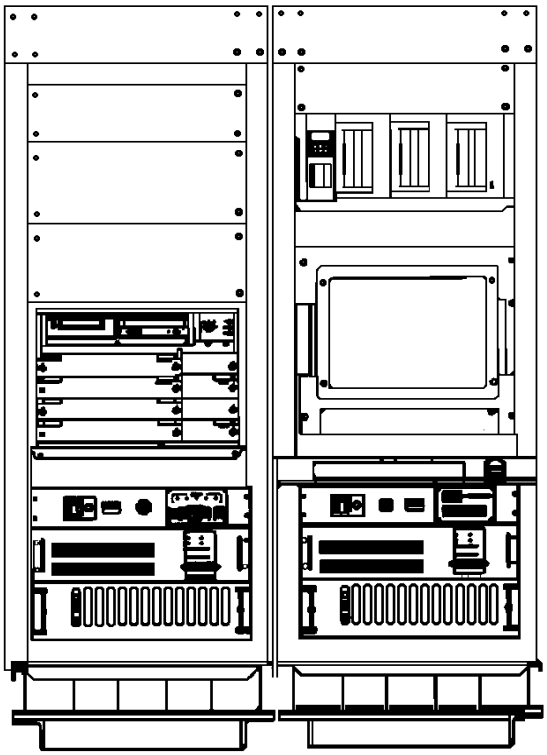
TAMPS DTC-II STANDARD AFLOAT CONFIGURATION
FIGURE 1

b. Figure 2 is the NavMPS SUN ULTRA 2 (1200/1300) configuration.

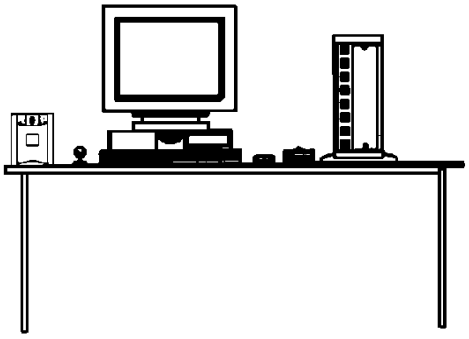


TAMPS SUN ULTRA 2 (1200/1300) CONFIGURATION
FIGURE 2

c. Figure 3 is a generic representation of the NavMPS CVIC system, comprised of the SUN Enterprise 4000 (Model 4002), the SUN ULTRA 2 (2300), PC clients, and printers.

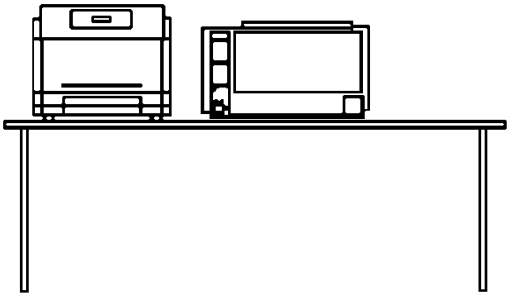


PRIMARY SERVER



PERMANENT CLIENT/
BACKUP SERVER

PC CLIENT(S)



SERVER PRINTERS

TAMPS CVIC SYTEM OVERVIEW
(Generic Representation of the System)
FIGURE 3

3. **New Development Introduction**. NavMPS hardware and software is based upon evolutionary upgrades to the previous version. This allows the program to take advantage of hardware and software advancements as well as fleet input to further enhance the NavMPS ability to assist the mission planner.

4. **Significant Interfaces**. In order for TAMPS to be able to provide reliable and useful data to the mission planner, the databases must be updated to keep abreast of constant global changes. This data is provided by existing resources and will not increase/decrease the interfacing systems manpower requirements. Below are the methods for maintaining the NavMPS databases.

a. **Threat Databases**. The initial source data is magnetic tape, produced by Atlantic Intelligence Command. For software release 6.1 it is from the Defense Intelligence Agency (DIA) Integrated Database (IDB) and for software release 6.2K it is from the DIA Modernized Intergrated Database (MIDB). It consists of friendly, neutral, and enemy order of battle.

(1) **Manual Updates**. The System Administrator (SA)/DBA may utilize available resources to maintain the database by updating the threat files with the latest intelligence data, reconnaissance information, or pilot reports.

(2) **Electronic Updates**. The SA/DBA may utilize the ETHERNET or Asynchronous Transfer Mode (ATM) interface from the Aircraft Carrier Intelligence Center (CVIC) to the Global Command and Control System - Maritime (GCCS-M) for retrieving updates to Order of Battle.

b. **System Database**. The NavMPS database will also consist of geo-political data. This data will be imported into the NavMPS from the National Imagery and Mapping Agency (NIMA) charts, Digital Terrain Elevation Data (DTED), Controlled Image Base (CIB) files and Digital Aeronautical Flight Information Files (DAFIF).

c. There are additional interfaces under development that could potentially be utilized in loading and updating NavMPS data files.

(1) **Tactical EA-6B Mission Support (TEAMS) System**. NavMPS will possess the ability, in FY99, to interface with TEAMS. TEAMS handles mission activities of the EA-6B aircraft and its intelligence information. This interface can save SA/DBAs time in interactive updates to the threat database. Data review and SA/DBA initiated actions are required to apply the TEAMS updates to the NavMPS program. Mission planners will be able to transfer route data across this interface.

d. **Tactical Strike Coordination Manager (TSCM)**. The TSCM is a distributed collaborative joint Force Level automated mission planning system that enables mission planners to develop integrated joint strike plans for Tactical Aircraft (TACAIR), support aircraft, Tomahawk cruise missiles, and Unmanned Aerial Vehicles (UAV), both ashore and afloat. TSCM provides mission planners with a computer based system, capable of rapidly processing large quantities of DTED, Arc-second Raster Chart (ARC) digitized raster graphics, threat and environmental data, intelligence, imagery, and aircraft flight and performance data. TSCM interfaces with GCCS-M and NavMPS. This interface enables the complete integration of intelligence, imagery and tasking in the development of Force Level and Unit Level mission planning. Using TSCM, the planner can easily and quickly build strike plans, construct and edit individual mission routes, transfer/receive individual missions to/from TAMPS, deconflict routes, adjust timelines, furnish projected attrition, and then provide a graphic playback of the strike plan for briefing the Battle Group Commander, Carrier Air Group (CAG) Commander, Strike Leads and Strike Groups.

TSCM also performs Air Tasking Order (ATO) analysis, validation, and preview; Airspace Control Order (ACO) development, analysis, and validation; and provides contingency missions development and analysis. TSCM accepts United States Message Text Format (USMTF) formatted ATO messages and automatically transforms these into easily read tabular formats for execution. TSCM can also build ATOs and ACOs quickly and easily from contingency missions developed on TSCM.

TSCM is being used at NSAWC and aboard CVs/CVNs to support strike planning. NSAWC provides strike planning training in preparation for Air Wing deployments to execute ATOs or contingency tasking. Top level mission descriptions and/or straight line missions from an ATO are quickly converted into concept missions using TSCM's autorouter and form the basis for the CAG laptop brief. Concept missions can easily be passed from TSCM to NavMPS. The NavMPS unit level planners will no longer be required to develop a mission one waypoint at a time. Instead, the planner will select the concept mission passed from TSCM, which in turn causes the complete mission to be displayed. Typically the unit level planner will need only to clear the target waypoint provided by TSCM and insert NavMPS target waypoint data, which contain weapon delivery tactics to complete the detailed route. Once the detailed routes are completed on NavMPS, they can be returned to TSCM for final coordination and deconfliction. Processes which ordinarily take hours will be reduced to minutes through the use of TSCM/NavMPS interfaces.

e. **Mission Rehearsal**. Mission Rehearsal is the practice of planned tasks and functions critical to mission success using a true-to-life, interactive representation of the expected operating environment. Upon the fleet release of TAMPS software release 6.2K, planner selected missions from NavMPS can be passed to TOPSCENE where mission rehearsal can occur using realistic scenes of imagery draped over DTED. Prior to execution, aircrews will receive

detailed briefings based in part on the big picture from TSCM and in part on the detailed products developed by NavMPS (software release 6.2K and subsequent) which include mission data loads, kneeboard cards, strip charts, etc.

5. **New Features, Configuration, or Material**

a. NavMPS does not drive technology breakthroughs, but utilizes state-of-the-art, commercially available hardware in conjunction with a mix of COTS, Government Off-The-Shelf (GOTS), and NavMPS specific software to perform mission planning.

b. TAMPS software version 6.1 operates in a Windows-like environment and features an enhanced human-machine interface.

(1) TAMPS 6.1.1 software is a rehost of the TAMPS 6.1 software to the SUN ULTRA 2 (1200/1300) hardware.

(2) **TAMPS Software Release 6.2**. Software release 6.2 was introduced during the first quarter FY99 and incorporated improved fuel accuracy and intelligence databases with automatic updates. Additionally, it added imagery archiving and manipulation, mission rehearsal, electronic data folders, force level planning interface, and local and wide area network connection of GCCS-M, CVIC, and Ready Rooms. The GCCS-M interface with the Enterprise 4000 server will provide real time order of battle and weather updates during aircraft carrier operations. TAMPS software release 6.2 also provides planning for the AH-1, F/A-18 reconnaissance and SLAM Extended Response (ER).

(a) **TAMPS Software Release 6.2K**. Software release 6.2K is a maintenance release for UNIX systems and was released in stand alone mode by OPNAV on 21 December 1998. It incorporates the Y2K compliant software to ensure TAMPS functionality after midnight 31 December 1999.

(3) **TAMPS Interim N-PFPS**. The N-PFPS software was released during the second quarter of FY98. This is PC compatible software that will be updated annually until JMPS software is available.

c. The NavMPS program is built upon the philosophy of adding enhanced capabilities through new software releases. Below is a summary of system upgrades planned to be incorporated into future NavMPS software releases.

(1) **TAMPS Software Release 6.2.1**. Software release 6.2.1 will be a maintenance release for UNIX systems and will be introduced during the first quarter of FY00. It will incorporate improved force level planning tools connection, Joint Direct Attack Munition (JDAM), Tactical Aircraft Moving Map Capability (TAMMAC), and GPS terminal procedures.

(2) **JMPS**. Fleet release of the JMPS software is projected to be during the fourth quarter of FY01. This software release will incorporate N-PFPS with increased functionality and run in a Windows NT environment. JMPS version 2 will incorporate TAMPS 6.2.1 and previous versions functionality into JMPS.

d. TSCM operates on a standard Navy Tactical Advanced Computer (TAC) -3, a SUN SPARC station or SUN ULTRA 2. TSCM does not drive technology breakthroughs, but utilizes state-of-the-art, commercially available hardware in conjunction with a mix of COTS, GOTS, and TSCM specific software to perform mission planning.

(1) TSCM software operates in a windows-like environment and features enhanced human-machine interfaces. TSCM employs operator friendly interfaces that reduces required manual entries with point and click mouse action. TSCM is compatible with current NavMPS software and as NavMPS upgrades are fielded, TSCM will incorporate upgrades to ensure compatibility. TSCM will be hosted on Windows NT (FY00) and Computer Based Training (CBT) will be available via CD.

Section **I.H. CONCEPTS**

1. **Operational Concept**. NavMPS, with properly maintained databases, will greatly enhance the mission planning process by providing the operator with threat projections, calculating aircraft and weapons data (although the pubs must still be used to verify the output data) and providing flight data, strip charts, and radar predictions upon mission route selection. NavMPS will also allow the mission planner to initiate route modifications to enhance the probability of mission success.

2. **Maintenance Concept**. The NavMPS maintenance concept has been designed to provide a high degree of operational readiness. Because of the variety of COTS hardware in NavMPS, a modified maintenance approach is used to provide optimum coverage during equipment changes. Two levels of maintenance associated with the NavMPS are organizational and interim depot level maintenance. Direction and guidance concerning the maintenance concept for the NavMPS hardware is provided in NavMPS User Logistic Support Summaries (ULSSs).

a. **Organizational Level**. Organizational level maintenance is performed at the operating unit. These maintenance actions encompass preventive and some corrective maintenance, depending on whether the equipment is deployed or not.

(1) **Preventive Maintenance**. Periodic inspections and/or servicing of equipment will be accomplished as defined in the NavMPS Maintenance Requirements Cards (MRCs).

(2) **Corrective Maintenance**. Corrective maintenace actions taken will vary depending on the deployment status of the operating unit. For deployed equipment, corrective maintenance consists of Lowest Replaceable Unit (LRU) and Shop Replaceable Unit (SRU) removal and replacement. For nondeployed equipment, corrective maintenance consists of LRU removal and replacement only.

b. **Interim Depot Level**. Repair and disposition of retrograde assemblies beyond the capability of the organizational level is accomplished by the designated depot activity. The Space and Naval Warfare Systems Center San Diego, C4I Programs Office, Philadelphia, PA, (SPAWAR C4I Programs Office, Philadelphia) is currently the designated depot site for all NavMPS hardware. Interim level depot maintenance consists of special shop equipment and trained personnel for testing, troubleshooting, inspecting, servicing, lubricating, adjusting, and replacing parts, major assemblies, and subassemblies to the original configuration.

c. **Technical Assistance**

(1) SPAWAR C4I Programs Office, Philadelphia is the focal point for product support. This will consist of field level training in conjunction with initial system installation and maintenance support.

(2) The Naval Air Warfare Center - Weapons Division (NAWC - WD), Pt. Mugu is the Software Support Activity (SSA), integrator, and configuration manager for TAMPS software. Naval Air Warfare Center - Aircraft Division (NAWC - AD), Patuxent River is responsible for software Independent Verification and Validation (IV&V).

3. **Manning Concept**

a. **NavMPS**. The NavMPS manning concept is driven by the total system requirements for effective utilization and confidence in NavMPS. Functional operating requirements will be accomplished through the utilization of existing manpower. These positions include mission planners, SAs, DBAs, and maintenance personnel. Mission planners will be squadron level aircrew (pilots or Naval Flight Officers (NFOs)).

b. **TSCM**. The TSCM manning concept is driven by the total system requirements for effective utilization and confidence in TSCM. Functional operating requirements will be accomplished through the utilization of existing manpower. These positions include mission planners and system administrators. Mission planners will be squadron level aircrew (pilots or NFOs). All required TSCM functions will be filled by qualified personnel as additional tasking to their present duties, and are to remain within the current manning structures of recipient activities or commands.

4. **NavMPS Training Concept**. The NavMPS training concept is based on the precept that the users and maintainers have attained the necessary primary Navy Officer Billet Classification (NOBC), Navy Enlisted Classification (NEC), or Military Occupational Specialty (MOS) and prerequisite levels of experience in their specialty prior to receiving NavMPS training. The NavMPS training will build upon this knowledge base and provide the student with the necessary instruction to effectively operate the NavMPS hardware and software.

The automated mission planning training concept is for an integrated training continuum that lays the foundation for automated mission planning at the Naval Aviation Training Command (Level 1) and continues to build on that knowledge at the Fleet Replacement Squadrons (FRSs) (Level 2). Intermediate level training will be conducted at the appropriate intermediate weapon schools and specific fleet squadrons (Level 3), and advanced training will be conducted at the advanced weapon schools and specific fleet squadrons (Level 4).

The intent of the NavMPS training program is to provide applicable training at each major phase of the aviation training pipeline. This will include primary pilot training and basic NFO training, FRS, and weapon school training. The goal is to teach automated mission planning as a team of products or "system of applications" so they appear as a seamless family. This will provide each aviator with the knowledge of what tools are available to assist him in planning a single flight plan or a complete strike package.

Due to the evolutionary nature of the NavMPS program and the open architecture of the software, there is potential for new MPMs/MPFs to be added to the NavMPS. As new MPMs/MPFs are developed, the developing agency will ensure the appropriate training and training material are also generated. Additionally, the developing agency will ensure that this course data is coordinated with SPAWAR C4I Programs Office, Philadelphia for distribution, prior to fleet introduction, to the impacted FRSs, weapon schools, and Navy and Marine Corps Intelligence Training Center (NMITC)/Sea-Based Weapons and Advanced Tactics School, Pacific (SWATSCOLPAC) for incorporation into their NavMPS training unit of instruction modules. The SA/DBA package is distributed to NMITC and SWATSCOLPAC while the full mission planning package is distributed to the weapon schools, FRSs, Marine Aviation Weapons and Tactics Squadron One (MAWTS-1), Marine Aircraft Wings (MAWs), and Marine Aircraft Groups (MAGs). The individual communities will modify the mission planning course materials to

fit their requirements and integrate the NavMPS training into their respective mission planning curricula. NSAWC is the Model Manager for the NavMPS functionality. NMITC is the Model Manager for the SA/DBA course and the maintenance course.

a. **Initial Training**. For each new software release, SPAWAR C4I Programs Office, Philadelphia provides initial SA/DBA training to the instructors at NMITC and SWATSCOLPAC and initial mission planning training to the FRS and weapon schools instructors.

b. **Follow-on Training**. Follow-on training is formal training conducted at military schools to ensure qualified operators and proper life cycle support. This is accomplished through a training methodology that tailors the courseware to the targeted student population. The ultimate goal of the NavMPS training program is to provide applicable training at each major phase of the aviation training pipeline. This will include primary pilot training and basic NFO training, FRS, and weapon school training. Currently though, only some FRS and weapon school training is available.

(1) **NavMPS Mission Planner**. Pilots and NFOs will be provided the necessary skills and knowledge requirements for proper operation of the NavMPS. The aircrew training is building block in nature and based on minimum terminal objectives. This is accomplished by integrating the required NavMPS information into the specific aircraft mission planning training syllabus at each level of an aviator's training.

(a) The Naval Air Training Command will introduce the system of applications concept with a focus on basic mission planning capabilities using the N-PFPS.

(b) All FRSs will integrate the NavMPS training into the existing type aircraft mission planning syllabus by having training materials tailored to specific platforms, utilizing basic systems applications, and focusing on combat mission planning capabilities. Courses will be updated for TAMPS software 6.2 upon the FRSs receipt of the appropriate hardware and software. The major objectives are to use NavMPS for basic mission planning as follows:

- Create single aircraft mission to include the Target Attack event, if applicable.
- Display chart, imagery, and elevation data background.
- Display target area threats.
- Generate single aircraft kneeboard products.
- Generate applicable aircraft digital loads.

(c) The weapons schools will integrate NavMPS training into their existing weapon system/advanced readiness program syllabi with training materials tailored to specific platforms, providing full use of system applications capabilities, and focusing on integrated combat and strike/force level mission planning. The major objectives are to use TAMPS for mission planning as follows:

- Analyze strike mission susceptibility to target threats.
- Create strike mission package.
- Generate strike mission briefing products.
- Generate products provided by the applicable mission planning modules and digital loads.

(d) Advanced weapons schools (NSAWC and MAWTS-1) will provide strike planning focused on advanced, full spectrum, planning with NavMPS products. NSAWC evaluates NavMPS training effectiveness through practical application during air wing deployments to NAS Fallon. MAWTS-1 conducts two major strike planning exercises annually.

Aircrews will attend applicable courses as part of their normal pre-deployment workups. The participating weapons schools are as follows:

- Strike Fighter Weapons School, Atlantic (SFWSLANT), NAS Cecil Field, FL

- Strike Fighter Weapons School, Pacific (SFWSPAC), NAS Lemoore, CA

- Strike Weapons and Tactics School, Atlantic (SWATSLANT), NAS Oceana, VA

- Sea Control Weapons School, Atlantic (SEACONWPNSLANT), NAS Cecil Field, FL

- Electronic Combat Weapons School (ECWS), NAS Whidbey Island, WA

- Sea-based Weapons and Advanced Tactics School, Pacific (SWATSCOLPAC), NAS North Island, CA

- Naval Strike and Air Warfare Center (NSAWC), NAS Fallon, NV

- Mine Warfare Training Center (MINEWARTRACEN), Ingleside, TX

- Marine Aviation Weapons and Tactics Squadron One (MAWTS-1), MCAS Yuma, AZ

(c) The Marine Corps NavMPS mission planner training will be established at the MAG level to provide training for NavMPS MAG instructors. These MAG instructors will provide NavMPS mission planning training to fleet operators.

(2) **System Administrator/Database Administrator**. The intent of the SA/DBA course is to provide Navy Intelligence Specialist (IS) and Marine Corps MOS 0231 personnel in-depth database and system management training to include descriptions of database files, a functional description of the database administration subprocess, and instruction in procedures for generation and update of operational and aircraft databases. The students will also be trained to oversee and coordinate the use of NavMPS equipment, loading of upgraded software, system backup procedures, and the ability to limit access through password and level of use assignment. The Marine Corps will use the Navy training at NMITC and SWATSCOLPAC. The following is the course information:

Course Title	TAMPS System Administrator
CIN	J-150-2965 (Part of J-150-0987)
Course Length	10 Days
Ready For Training (RFT) Date (6.2K)	Available
Course Location	NMITC SWATSCOLPAC (Stand-alone Course)

(3) **Maintenance Technician**. The NavMPS hardware maintenance course is embedded in the Intelligenance Center Maintenance Course for Electronics Technician (ET) training for NEC 1654 (course J-150-2019). This training is available only at NMITC and provides maintenance technicians with the skills and knowledge required to perform both preventive and corrective maintenance on the NavMPS hardware. In addition, the maintenance technician will receive limited instruction on the operation of the software to facilitate troubleshooting the NavMPS in accordance with the established Maintenance Plans. The maintenance course has been updated to the CVIC system and the SUN ULTRA 2 (1200/1300) that is replacing the DTC-II aboard ship.

(a) The Marine Corps will start conducting maintenance training on the SUN ULTRA 2 (1200/1300) for MOS 6494 during the fourth quarter of FY99 This will be accomplished by integrating the appropriate NavMPS data in the Aviation Logistics Tactical Information Systems (ALTIS) specialist course (C-150-2010) conducted at the Navy Supply Corps School, Athens, GA.

(4) An abbreviated NavMPS mission planning demonstration is incorporated into the Naval Intelligence Officer Basic Course (NIOBC), Course Identification Number (CIN) J-3A-0010. This will provide the attending students with a basic knowledge of TAMPS capabilities and data interface requirements.

(5) A four-day introduction class is embedded in the Afloat Strike Planning Support Course (STRIKE), CIN J-150-0987. This block of instruction will provide attending students with basic skills and an introduction to basic mission planning.

c. **Cadre Training**. Cadre Training will be conducted by the SPAWAR C4I Programs Office, Philadelphia Fleet Introduction Team (FIT). This training will be for personnel at activities receiving the NavMPS hardware and/or software. Formal (school house) NavMPS follow-on training, however, will be obtained by activities when notified of receiving their first NavMPS system and prior to NavMPS installation. The FIT will evaluate the NavMPS training requirements at the recipient activity and tailor the training program to meet the training requirements of that activity. Upon completion of the instruction, the FIT will again evaluate the students at the recipient activity to ensure that they possess the necessary skills and knowledge to effectively operate the NavMPS hardware and software.

d. **Student Profiles**. The installation of the NavMPS will not change the existing qualitative manpower requirements in the recipient fleet activities.

(1) **Watch Station Requirements**. The display and tracking of information in relation to aircraft mission planning is currently required at all targeted NavMPS sites. NavMPS provides, organizes, and displays information already available for use by aircrew personnel.

e. **Reserve Component**. The current delivery schedule includes reserve activities that will receive NavMPS work stations. All training required for effective system utilization is available for reserve personnel by attending the active duty curriculum.

5. **TSCM Training Concept**. The TSCM training concept is based on the precept that the users and maintainers have attained the necessary primary NOBC, NEC, or MOS and prerequisite levels of experience in their specialty prior to receiving TSCM training. The TSCM training will build upon this knowledge base and provide the student with the necessary instruction to effectively operate the TSCM hardware and software.

a. **Initial Training**. The initial training for TSCM consists of two parts.

(1) The first part involves mission planning training for the Battle Group staffs. This training will be initially provided to the Tactical Training Group (TACTRAGRU) staffs who will then provide the training to Battle Group Staffs. The TSCM training for Battle Group staffs will be integrated into the existing syllabus at TACTRAGRUPAC and TACTRAGRULANT. The focus of the training will be on typical Force Level mission planning issues such as Joint Task Force (JTF) organization and structure, the integration of the deployed carrier Battle Group into their organization and tasking procedures from the Commander Joint Task Force (CJTF). Subsequent focus is on training the process of converting tasking from the CJTF into execution. The training to support this activity will be centered around TSCM and include the training listed under Intermediate Mission Planning Training but expanded on ATO/ACO contingency mission development and distributive/collaborative planning.

(2) The second part involves the training of the FRS and Weapon School instructors. This training progression will also be employed for future software releases.

b. **Follow-on Training**. Follow-on training is formal training conducted at military schools to ensure qualified operators and proper life cycle support. This is accomplished through a training methodology that tailors the courseware to the targeted student population. The ultimate goal of the TSCM training program is to provide applicable training at each major phase of the aviation training pipeline.

(1) **TSCM Mission Planner**. Pilots and NFOs will be provided the necessary skills and knowledge requirements for proper operation of the TSCM. The aircrew training is building block in nature and based on minimum terminal objectives. This is accomplished by integrating the required TSCM information into the specific aircraft mission planning training syllabus.

(a) All FRSs will integrate the TSCM training into the existing type aircraft mission planning syllabus upon receipt of TSCM systems. The major objective for TSCM training at the FRS is to familiarize the aircrew in TSCM capabilities and operation for force level mission planning.

(b) The weapons schools will integrate TSCM training into their existing weapon system/advanced readiness program syllabi. TSCM training will include:

TSCM Overview
Force Level Mission Planning
TSCM Human to Computer Interface
TSCM Start-up and Shut-down Procedures
TSCM Main Menu Functions
Creating a New Strike Plan
Displaying Overlays Controller
Evaluating the Strike Plan
Utilities

Aircrews will attend applicable courses as part of their normal pre-deployment workups. The participating weapons schools are as follows:

- SFWSLANT, NAS Cecil Field, FL
- SFWSPAC, NAS Lemoore, CA
- SWATSLANT, NAS Oceana, VA
- SEACONWPNSLANT, NAS Cecil Field, FL
- ECWS, NAS Whidbey Island, WA
- SWATSCOLPAC, NAS North Island, CA
- NSAWC, NAS Fallon, NV
- MAWTS-1, MCAS Yuma, AZ

(c) Advanced mission planning training will take place at NSAWC and will incorporate TSCM training in the Strike Lead Air Training Syllabus (SLATS). The TSCM syllabus will be identical to that at the weapons school, but the training will be directed to specifically address mission planning system utilization and improvements, strike planning team composition, ATO utilization/generation, and integration of mission planning with mission review.

(d) The Marine Corps TSCM mission planner training will be established at the MAG level to provide training for TSCM MAG instructors. These MAG instructors will establish TSCM training at the MAG level to provide TSCM mission planning training to fleet operators.

(2) **System Administrator**. The SA training will be incorporated into the NavMPS SA/DBA course at NMITC. The intent of the SA course is to provide in-depth database and system management training to include descriptions of database files, a functional description of the database administration subprocess, and instruction in procedures for generation and update of operational and aircraft databases. The students will also be trained to oversee and coordinate the use of TSCM equipment, loading of upgraded software, system backup procedures, and the ability to limit access through password and level of use assignment. The Marine Corps will use the Navy training at NMITC

(3) NSAWC, NAS Fallon, NV, will conduct TSCM training as it applies to the strike leader. The training will address mission planning system utilization and improvements, strike planning team composition, and integration of mission planning and mission preview systems. NSAWC will evaluate TSCM training effectiveness through practical application during Air Wing deployments to NAS Fallon.

Section **I.I. ON-BOARD (IN SERVICE) TRAINING**. There is currently no on-board training required.

Section **I.J. LOGISTICS SUPPORT**

1. **Manufacturer/Contract Number**. NAWC - WD Pt. Mugu is the prime 6.2 software integrator, TELOS is the prime DTC-II and ACE/VME hardware contractor, and SUN/Intergraph is the prime Sun Enterprise 4000/SUN ULTRA 2 hardware contractor. The following are the current contract numbers:

a. DTC-II Hardware: N66032-89-D-0004

b. ACE/VME Hardware: F19628-90-D-0018

c. SUN ULTRA 2 Hardware: N66032-94-D-0012

2. **Program Documentation**. An Acquisition Logistics Support Plan (ALSP), dated April 1999, has been generated to identify the logistic support elements and the manner in which support resources will be developed for the operation and maintenance of the NavMPS systems of application.

3. **Technical Data Plan**

a. **TAMPS**. Hardware manuals are products of commercially available documentation. Software manuals have been developed and tailored to the specific requirements of each functional position. TAMPS 6.X manuals will be available concurrent with each fleet release of the software. The user manuals are available on compact disk as an alternative to the hard copy format. Additionally, distribution of the TAMPS software user manuals are available on-line.

b. **TSCM**. Hardware manuals are products of commercially available documentation. Software manuals have been developed and tailored to force level mission planning requirements. TSCM users manuals are available in hard copy format. Additionally, distribution of the TSCM Software User Manuals are available on soft copy.

4. **Test Sets, Tools, and Test Equipment**. In-depth analysis of the NavMPS maintenance philosophy has resulted in the identification of test equipment requirements. The test equipment requirements identified are items carried on the individual material readiness list of the recipient activities. Therefore, the installation of NavMPS does not drive additional special tools or test equipment requirements.

5. **Repair Parts**. The supply support initiated for NavMPS will provide a centralized repository of NavMPS repair parts. SPAWAR C4I Programs Office, Philadelphia will provide all repair parts provisioning. Pack up kits are provided to CV/CVN and USMC forward deployed activities to ensure limited computer "down time". Shore based activities will coordinate repair parts requirements with SPAWAR C4I Programs Office, Philadelphia.

Section **I.K. SCHEDULES**

1. **Schedule of Events**. The NavMPS systems will be delivered to CV/CVNs, USN/USMC activities, and Naval Reserve squadrons.

a. **Delivery Schedule**. Asset managers at NAVAIRLANT, NAVAIRPAC, CMC (APW), etc. will control the distribution of hardware assets into the fleet units. The following is the proposed hardware procurement plan:

CVIC PROCUREMENT PLAN

	FY98	FY99	FY00	FY01	FY02	FY03
USN						
CV/CVN	0	12	0	0	0	0

SUN ULTRA 2 PROCUREMENT PLAN

	FY98	FY99	FY00	FY01	FY02	FY03
USN						
VFA	0	48	0	0	0	0
VF	0	24	0	0	0	0
VAW	0	10	0	0	0	0
LHD/LHA	0	0	0	0	12	0
LPD	0	0	0	0	11	0
LSD	0	0	0	0	16	0
USMC						
VMFA	0	16	0	0	0	0
VMFA (AW)	0	12	0	0	0	0
RESERVES						
USN						
VFA	0	6	0	0	0	0
VAW	0	0	2	0	0	0
USMC						
VMFA	0	8	0	0	0	0

Note: The above NavMPS hardware requirements are displayed for informational purposes only. For a complete delivery schedule by total units for each squadron/activity refer to the asset managers (NAVAIRLANT, NAVAIRPAC, CMC(APW), etc.).

N-PFPS PROCUREMENT PLAN

	FY98	FY99	FY00	FY01	FY02	FY03
USN						
VFA	0	144	0	0	0	0
VF	0	96	0	0	0	0
VP	0	72	0	0	0	0
VPU	0	8	0	0	0	0
VAQ	0	56	0	0	0	0
VAW	0	30	0	0	0	0
VQ	0	0	20	0	0	0
VS	0	0	60	0	0	0
VRC	0	0	8	0	0	0
VC	0	0	0	0	4	0
HS	0	0	20	0	0	0
HC	0	0	20	0	0	0
HSL	0	0	120	0	0	0
UH-1N DETs	0	0	9	0	0	0
HM	0	0	0	8	0	0
NAS	0	0	36	0	0	0
USMC						
VMFA	0	48	0	0	0	0
VMFA (AW)	0	36	0	0	0	0
VMAQ	0	20	0	0	0	0
VMGR	0	24	0	0	0	0
VMA	0	0	0	0	70	0
HMX	0	0	6	0	0	0
HMH	0	0	60	0	0	0
HMM	0	0	90	0	0	0
HMLA	0	0	36	0	0	0
MCAS	0	12	0	0	0	0

Note: The above NavMPS hardware requirements are displayed for informational purposes only. For a complete delivery schedule by total units for each squadron/activity refer to the asset managers (NAVAIRLANT, NAVAIRPAC, CMC(APW), etc.).

N-PFPS PROCUREMENT PLAN

	FY98	FY99	FY00	FY01	FY02	FY03
RESERVES						
USN						
VFA	0	18	0	0	0	0
VAQ	0	4	0	0	0	0
VP	0	0	48	0	0	0
VQ	0	0	5	0	0	0
VAW	0	0	6	0	0	0
VR	0	0	78	0	0	0
HC	0	0	2	0	0	0
HCS	0	0	4	0	0	0
HM	0	0	8	0	0	0
HS	0	0	6	0	0	0
HSL	0	0	24	0	0	0
USMC						
VMFA	0	24	0	0	0	0
VMGR	0	16	0	0	0	0
HMH	0	0	12	0	0	0
HMM	0	0	12	0	0	0
HMLA	0	0	24	0	0	0

Note: The above NavMPS hardware requirements are displayed for informational purposes only. For a complete delivery schedule by total units for each squadron/activity refer to the asset managers (NAVAIRLANT, NAVAIRPAC, CMC(APW), etc.).

TSCM PROCUREMENT PLAN

	FY98	FY99	FY00	FY01	FY02	FY03
Fleet Commanders	0	0	5	0	0	0
Battle Group Commanders	0	0	14	0	0	0
Carriers	0	48	0	0	0	0
Carrier Air Wings	0	10	0	0	0	0
Tactical Support Centers	0	0	0	14	0	0
Marine Aircraft Wings	0	0	6	0	0	0
Marine Aircraft Groups	0	0	18	0	0	0
Marine Expeditionary Units	0	7	0	0	0	0
LHD/LHA	0	0	0	0	36	0
LPD	0	0	0	0	11	0
Reserves						
Carriers Air Wing	0	1	0	0	0	0
Marine Aircraft Wing	0	0	0	2	0	0
Marine Aircraft Groups	0	0	0	4	0	0

Note: The above NavMPS hardware requirements are displayed for informational purposes only. For a complete delivery schedule by total units for each squadron/activity refer to the asset managers (NAVAIRLANT, NAVAIRPAC, CMC(APW), etc.).

b. **Time Required to Install at NavMPS Operational Sites**

(1) **TAMPS**. The TAMPS hardware will require approximately one week for equipment installation, software loading, and system testing. Training, at the recipients site by SPAWAR C4I Programs Office, Philadelphia, will not take place though until the hardware and software have been installed and tested and prerequisite training requirements have been met.

(2) **TSCM**. The TSCM hardware will require approximately three days for installation and testing. Training, at the recipients site by SPAWAR C4I Programs Office, Philadelphia, will not take place until the hardware and software have been installed and tested and prerequisite training requirements have been met.

c. **Technical Training Equipment (TTE) Delivery Schedule**. TTE will be utilized at fleet training sites in order to fulfill follow-on training requirements.

(1) **NavMPS**. NMITC and SWATSCOLPAC TTE requirements are based upon one NavMPS work station per student. The following is the TTE delivery schedule:

CVIC TTE PROCUREMENT PLAN

	FY98	FY99	FY00	FY01	FY02	FY03
USN						
NSAWC	1	0	0	0	0	0
NMITC	1	0	0	0	0	0
SWATSCOLPAC	1	0	0	0	0	0
USMC						
MAWTS-1	0	1	0	0	0	0

SUN ULTRA 2 TTE PROCUREMENT PLAN

	FY98	FY99	FY00	FY01	FY02	FY03
USN						
NSAWC	1	4	0	0	0	0
NMITC	2	5	0	0	0	0
SWATSCOLPAC	2	5	0	0	0	0
SWATSLANT	3	0	0	0	0	0
SFWSPAC	0	2	0	0	0	0
SFWSLANT	2	0	0	0	0	0
AEW WTU	0	2	0	0	0	0
MINEWARTRACEN	0	1	0	0	0	0
VFA-106	0	2	0	0	0	0
VFA-125	0	2	0	0	0	0
VFA-122	0	1	0	0	0	0
VP-30	0	2	0	0	0	0
VAW-120	1	1	0	0	0	0
VF-101	0	0	2	0	0	0
USMC						
MAWTS-1	2	3	0	0	0	0
VMFAT-101	0	1	0	0	0	0
NSCS	0	10	0	0	0	0

N-PFPS TTE PROCUREMENT PLAN

	FY98	FY99	FY00	FY01	FY02	FY03
USN						
NSAWC	0	8	0	0	0	0
NMITC	0	6	0	0	0	0
SWATSCOLPAC	0	6	0	0	0	0
SWATSLANT	0	6	0	0	0	0
SFWSPAC	0	6	0	0	0	0
SFWSLANT	0	6	0	0	0	0
ECWS	0	6	0	0	0	0
AEW WTU	0	6	0	0	0	0
HS WTU PAC	0	6	0	0	0	0
HS WTU LANT	0	6	0	0	0	0
SEACONWPNSLANT	0	6	0	0	0	0
VFA-106	0	20	0	0	0	0
VFA-125	0	20	0	0	0	0
VFA-122	0	20	0	0	0	0
VP-30	0	8	0	0	0	0
VAQ-129	0	4	0	0	0	0
VAW-120	0	6	0	0	0	0
VF-101	0	0	10	0	0	0
VS-41	0	0	8	0	0	0
VT/HT	0	0	54	0	0	0
HS-10	0	0	10	0	0	0
HC-2	0	0	2	0	0	0
HC-3	0	0	2	0	0	0
HSL-40	0	0	12	0	0	0
HSL-41	0	0	12	0	0	0
USMC						
MAWTS-1	0	8	0	0	0	0
VMFAT-101	0	20	0	0	0	0
VMGRT-253	0	6	0	0	0	0
VMAT-203	0	0	0	0	10	0
HMT-204	0	4	0	0	0	0
HMT-301	0	4	0	0	0	0
HMT-302	0	4	0	0	0	0
HMT-303	0	4	0	0	0	0

TSCM TTE PROCUREMENT PLAN

	FY98	FY99	FY00	FY01	FY02	FY03
USN						
NSAWC	0	5	0	0	0	0
NMITC	0	3	0	0	0	0
SWATSCOLPAC	0	3	0	0	0	0
SWATSLANT	0	1	0	0	0	0
SFWSPAC	0	2	0	0	0	0
SFWSLANT	0	1	0	0	0	0
ECWS	0	2	0	0	0	0
AEW WTU	0	2	0	0	0	0
HS WTU PAC	0	2	0	0	0	0
HS WTU LANT	0	2	0	0	0	0
SEACONWPNSLANT	0	1	0	0	0	0
MINEWARTRACEN	0	1	0	0	0	0
VAW-120	0	1	0	0	0	0
VP-30	0	1	0	0	0	0
USMC						
MAWTS-1	0	4	0	0	0	0

Section **I.L. GOVERNMENT FURNISHED EQUIPMENT (GFE) AND CONTRACTOR FURNISHED EQUIPMENT (CFE) TRAINING REQUIREMENTS**. There are currently no GFE or CFE training requirements beyond the current NavMPS training program.

Section **I.M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS**

NTSP/DOCUMENT TITLE	**DOCUMENT/ NTSP NUMBER**	**DA CODE**	**STATUS**
AH-1W Aircraft	A-50-8520D	PMA276	Approved February 96
C-2A (Reserve)	A-50-8308B	PMA221	Approved October 96
C-9B/DC-9 Logistics Aircraft (Reserves)	R-50-9402	COMNAVRESFOR	Approved December 94

NTSP/DOCUMENT TITLE	DOCUMENT/ NTSP NUMBER	DA CODE	STATUS
CH-53E Helicopter	A-50-7604F	PMA261	Draft
E-2C Aircraft	A-50-8716D	PMA231	Approved December 97
E-2C Aircraft Transition to Reserves	A-50-8715B	PMA231	Approved March 93
E-6A TACAMO Aircraft	A-50-8516D	PMA271	Draft
EA-6B ICAP II Aircraft, Block 89	A-50-7904C	PMA234	Draft
EP-3E ARIES II Aircraft	A-50-8605D	PMA290	Draft
ES-3A Aircraft	A-50-8818B	PMA244	Approved March 93
F-14A/B/D Aircraft	A-50-8511B	PMA241	Draft August 98
F-18 Aircraft Weapon System	A-50-7703G	PMA265	Approved November 97
H-46 Communication Navigation Control System	A-50-9409	PMA226	Draft
HH/UH-1N Aircraft	A-50-9404	PMA(F)225	Approved October 94
KC-130T Aircraft	A-50-8423	PMA200	Approved June 85
MH-53E Helicopter	A-50-8417C	PMA261	Draft

NTSP/DOCUMENT TITLE	DOCUMENT/ NTSP NUMBER	DA CODE	STATUS
Navy Undergraduate Jet Flight Training System, T45TS	A-50-8703B	PMA273	Approved February 95
P-3C Update II.5/III and ASUW Improvement Program	A-50-8112B	PMA290	Approved June 98
S-3B Aircraft	A-50-8310D	PMA244	Draft
SH-60B LAMPS MK-III Part B, Aircraft Subsystems	A-50-7702D	PMA299	Proposed
SH-60F Carrier Inner Zone Helicopter	A-50-8508C	PMA299	Approved Sept 94
SH-60R Multi Purpose Helicopter	A-50-9403	PMA299	Proposed
V-22A Aircraft	A-50-8412D	PMA275	Draft
Afloat Planning System (APS)	A-00-9001	PMA281	Approved December 90
AGM-84E SLAM	A-50-8813B	PMA258	Approved May 96
AGM-84H SLAM Expanded Response	A-50-9502	PMA258	Approved May 96
AGM-88A HARM Missile	A-50-8101B	PMA242	Draft
AN/ARC-210(V) Electronic Protection Radio	A-50-9012B	PMA209	Proposed

NTSP/DOCUMENT TITLE	DOCUMENT/ NTSP NUMBER	DA CODE	STATUS
Joint Direct Attack Munitions (JDAM)	A-50-9104	PMA201	Draft
Joint Stand Off Weapon (JSOW)	A-50-8906	PMA201	Draft
Joint Tactical Information Distribution System (JTIDS)	E-70-8901B	PMW159	Approved July 94
JMCIS	E-70-9401A	PMW172	Approved January 96
NAVSTAR Global Positioning System (GPS)	E-70-8215F	PMW177	Approved July 95

PART II - BILLET AND PERSONNEL REQUIREMENTS

Section II.A. **BILLET REQUIREMENTS**

Element II.A.1.a. **Operational and Fleet Support Activity Activation Schedule**

DATE: March 1999

ACTIVITY/UIC	PFYs	CFY	FY00	FY01	FY02	FY03
USN						
ACDU						
Fleet Operational Units	61	25	86	2	40	0
SELRES						
Fleet Operational Units	4	0	32	0	0	0
USMC						
ACDU						
Fleet Operational Units	21	0	44	0	7	0
SMCR						
Fleet Operational Units	4	0	8	0	0	0

Note: The above delivery schedule denotes only initial NavMPS deliveries to an activity and are displayed only to identify the training requirements generated by the introduction of NavMPS.

Element II.A.1.b. **Billets Required for Operational and Fleet Support Activities**

ACTIVITY/UIC	BILLETS OFF	BILLETS ENL	DSGNTR RATING	PNEC/SNEC PMOS/SMOS
USN				
Fleet NavMPS Activity	1	0	163X/1311/1321	9680
	0	1	IS	3923
USMC				
Fleet NavMPS Activity	1	0	USMC	0202
				75XX
	0	1	USMC	0231

Note: The introduction of the NavMPS system does not change the existing manpower at the recipient activities. The above functions are displayed only to identify the training requirements generated by the introduction of NavMPS.

Element II.A.1.c. **Total Billets Required for Operational and Fleet Support Activities**

DSGNR RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY99 OFF	CFY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL
OPERATIONAL ACTIVITIES - ACDU													
OTHER													
163X/ 1311/ 1321	9680	61	0	25	0	86	0	2	0	40	0	0	0
IS	3923	0	61	0	25	0	86	0	2	0	40	0	0
OPERATIONAL ACTIVITIES - SELRES													
OTHER													
163X/ 1311/ 1321	9680	4	0	0	0	32	0	0	0	0	0	0	0
IS	3923	0	4	0	0	0	32	0	0	0	0	0	0
OPERATIONAL ACTIVITIES - AD													
OTHER													
USMC	0202/ 75XX	21	0	0	0	44	0	0	0	7	0	0	0
USMC	0231	0	21	0	0	0	44	0	0	0	7	0	0
OPERATIONAL ACTIVITIES - SMCR													
OTHER													
USMC	0202/ 75XX	4	0	0	0	8	0	0	0	0	0	0	0
USMC	0231	0	4	0	0	0	8	0	0	0	0	0	0

Element II.A.1.c. **Total Billets Required for Operational and Fleet Support Activities** (Cont'd)

DSGNR RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY99 OFF	CFY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL
SUMMARY TOTALS													
OPERATIONAL													
	ACDU	61	61	25	25	86	86	2	2	40	40	0	0
	SELRES	4	4	0	0	32	32	0	0	0	0	0	0
	AD	21	21	0	0	44	44	0	0	7	7	0	0
	SMCR	4	4	0	0	8	8	0	0	0	0	0	0
GRAND TOTALS													
	ACDU	61	61	25	25	86	86	2	2	40	40	0	0
	SELRES	4	4	0	0	32	32	0	0	0	0	0	0
	AD	21	21	0	0	44	44	0	0	7	7	0	0
	SMCR	4	4	0	0	8	8	0	0	0	0	0	0

Element II.A.2.a. **Operational and Fleet Support Activity Deactivation Schedule**

DATE: March 1999

ACTIVITY/UIC	PFYs	CFY	FY00	FY01	FY02	FY03

The NavMPS system does not change the existing manpower at the recipient activities, therefore, no manpower will be phased out.

Element II.A.2.b. **Billets to be Deleted in Operational and Fleet Suport Activities**

ACTIVITY/UIC	BILLETS OFF	BILLETS ENL	DSGNTR RATING	PNEC/SNEC PMOS/SMOS

The NavMPS system does not change the existing manpower at the recipient activities, therefore, no manpower will be phased out.

Element II.A.2.c. **Total Billets to be Deleted in Operational and Fleet Support Activities**

DSGNR	PNEC/SNEC	PFYs		CFY99		FY00		FY01		FY02		FY03	
RATING	PMOS/SMOS	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

The NavMPS system does not change the existing manpower at the recipient activities, therefore, no manpower will be phased out.

Element II.A.3. **Training Activities Instructor and Support Billet Requirements**

INSTRUCTOR BILLETS

TRAINING ACTIVITY, LOCATION, UIC

NMITC
Dam Neck, VA
0387A

DSGNR RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY99 OFF	CFY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL
ACDU													
IS	3923	0	1	0	0	0	0	0	0	0	0	0	0

TRAINING ACTIVITY, LOCATION, UIC

SWATSCOLPAC
NAS North Island, CA
47721

DSGNR RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF	PFYs ENL	CFY99 OFF	CFY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL
ACDU													
IS	3923	0	1	0	0	0	0	0	0	0	0	0	0

Element II.A.4. **Chargeable Student Billet Requirements**

ACTIVITY, LOCATION, UIC	USN/ USMC	CFY99 OFF	CFY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL
NMITC	USN	1	1	2	2	1	1	2	2	1	1
Dam Neck, VA	USMC	1	1	1	1	1	1	1	1	1	1
0387A											
SWATSCOLPAC	USN	1	1	2	2	1	1	2	2	1	1
NAS North Island, CA	USMC	1	1	1	1	1	1	1	1	1	1
47721											
SUMMARY TOTALS:											
	USN	2	2	4	4	2	2	4	4	2	2
	USMC	2	2	2	2	2	2	2	2	2	2
GRAND TOTAL:											
		4	4	6	6	4	4	6	6	4	4

Element II.A.5. **Annual Incremental and Cumulative Billets**

a. **OFFICER - USN**

DESIGNATOR	BILLET BASE	CFY99 +/-	CFY99 CUM	FY00 +/-	FY00 CUM	FY01 +/-	FY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM
Chargeable Student Billets ACDU											
163X/1311/1321	2	0/2		2/4		-2/2		2/4		-2/2	

b. **ENLISTED - USN**

RTNG	PNEC/SNEC	BILLET BASE	CFY99 +/-	CFY99 CUM	FY00 +/-	FY00 CUM	FY01 +/-	FY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM
Instructor and Support (Staff) Billets ACDU												
IS	3923	2	0/2		0/2		0/2		0/2		0/2	
Chargeable Student Billets ACDU												
IS	3923	2	0/2		2/4		-2/2		2/4		-2/2	

Element II.A.5. **Annual Incremental and Cumulative Billets** (Cont'd)

c. **OFFICER - USMC**

DESIGNATOR	BILLET BASE	CFY99 +/-	CFY99 CUM	FY00 +/-	FY00 CUM	FY01 +/-	FY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM
Chargeable Student Billets AD											
0202/75XX	2		0/2		0/2		0/2		0/2		0/2

d. **ENLISTED - USMC**

RTNG	PNEC/SNEC	BILLET BASE	CFY99 +/-	CFY99 CUM	FY00 +/-	FY00 CUM	FY01 +/-	FY01 CUM	FY02 +/-	FY02 CUM	FY03 +/-	FY03 CUM
Chargeable Student Billets AD												
USMC	0231	2		0/2		0/2		0/2		0/2		0/2

Section PART II.B. **PERSONNEL REQUIREMENTS**

Element II.B.1. **Annual Training Input Requirements**

CIN:	J-150-2965	COURSE TITLE:	TAMPS System Administrator
COURSE LENGTH:	2 Weeks	SEA TOUR LENGTH:	3 Years
ATTRITION FACTOR:	0%	BACKOUT FACTOR:	0.04

TRAINING ACTIVITY	SOURCE	ACDU/ TAR/ SELRES	CFY99 OFF	CFY99 ENL	FY00 OFF	FY00 ENL	FY01 OFF	FY01 ENL	FY02 OFF	FY02 ENL	FY03 OFF	FY03 ENL
NMITC	USN	ACDU	24	24	57	57	31	31	48	48	36	36
Dam Neck, VA		SELRES	2	2	16	16	6	6	6	6	6	6
0387A	USMC	AD	5	5	25	25	12	12	15	15	12	12
		SMCR	1	1	5	5	2	2	2	2	2	2
TOTALS:			32	32	103	103	51	51	71	71	56	56
ACTIVITY TOTAL:			32	32	103	103	51	51	71	71	56	56
SWATSCOLPAC												
NAS North Island, CA 47721	USN	ACDU	23	23	56	56	30	30	47	47	35	35
		SELRES	2	2	16	16	6	6	6	6	6	6
	USMC	AD	4	4	25	25	12	12	13	13	12	12
		SMCR	1	1	5	5	2	2	2	2	2	2
TOTALS:			30	30	102	102	50	50	68	68	55	55
ACTIVITY TOTAL:			30	30	102	102	50	50	68	68	55	55

PART III - TRAINING REQUIREMENTS

Section III.A. **TRAINING COURSE REQUIREMENTS**

Element III.A.1. **Initial Training Requirements**

COURSE TITLE:
COURSE DEVELOPER:
INSTRUCTOR:
COURSE LENGTH:

	DATE	STUDENTS			ACTIVITY
LOCATION, UIC	BEGIN	OFF	ENL	CIV	DESTINATION

All initial training courses for the NavMPS has been completed.

Element III.A.2. **Follow-On Training**

Element III.A.2.a. **Existing Courses**

TRAINING ACTIVITY: NMITC
LOCATION, UIC: Dam Neck, VA 0387A

CIN, COURSE TITLE: J-150-2965
TAMPS System Administrator

SOURCE: USN STUDENT CATEGORY: ACDU

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
24	24	57	57	31	31	48	48	36	36	ATIR
24	24	57	57	31	31	48	48	36	36	Output
0.8	0.8	1.9	1.9	1.0	1.0	1.6	1.6	1.2	1.2	AOB
0.8	0.8	1.9	1.9	1.0	1.0	1.6	1.6	1.2	1.2	Chargeable

SOURCE: USN STUDENT CATEGORY: SELRES

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
2	2	16	16	6	6	6	6	6	6	ATIR
2	2	16	16	6	6	6	6	6	6	Output
0.1	0.1	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

Element III.A.2.a. **Existing Courses** (Cont'd)

TRAINING ACTIVITY: NMITC
LOCATION, UIC: Dam Neck, VA 0387A

CIN, COURSE TITLE: J-150-2965
TAMPS System Administrator

SOURCE: USMC STUDENT CATEGORY: AD

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
5	5	25	25	12	12	15	15	12	12	ATIR
5	5	25	25	12	12	15	15	12	12	Output
0.2	0.2	0.8	0.8	0.4	0.4	0.5	0.5	0.4	0.4	AOB
0.2	0.2	0.8	0.8	0.4	0.4	0.5	0.5	0.4	0.4	Chargeable

SOURCE: USMC STUDENT CATEGORY: SMCR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1	1	5	5	2	2	2	2	2	2	ATIR
1	1	5	5	2	2	2	2	2	2	Output
0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

Element III.A.2.a. **Existing Courses** (Cont'd)

TRAINING ACTIVITY: SWATSCOLPAC
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE:
TAMPS System Administrator

SOURCE: USN STUDENT CATEGORY: ACDU

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
23	23	56	56	30	30	47	47	35	35	ATIR
23	23	56	56	30	30	47	47	35	35	Output
0.8	0.8	1.8	1.8	1.0	1.0	1.5	1.5	1.2	1.2	AOB
0.8	0.8	1.8	1.8	1.0	1.0	1.5	1.5	1.2	1.2	Chargeable

SOURCE: USN STUDENT CATEGORY: SELRES

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
2	2	16	16	6	6	6	6	6	6	ATIR
1	1	1	1	1	1	1	1	1	1	Output
0.1	0.1	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

Element III.A.2.a. **Existing Courses** (Cont'd)

TRAINING ACTIVITY: SWATSCOLPAC
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE:
TAMPS System Administrator

SOURCE: USMC STUDENT CATEGORY: AD

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
4	4	25	25	12	12	13	13	12	12	ATIR
4	4	25	25	12	12	13	13	12	12	Output
0.1	0.1	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	AOB
0.1	0.1	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	Chargeable

SOURCE: USMC STUDENT CATEGORY: SMCR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
1	1	5	5	2	2	2	2	2	2	ATIR
1	1	5	5	2	2	2	2	2	2	Output
0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	AOB
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Chargeable

TRAINING LOGISTICS SUPPORT REQUIREMENTS

Section IV.A. **Training Hardware**

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE**

TRAINING ACTIVITY: NSAWC
LOCATION, UIC: NAS Fallon, NV

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
001	CVIC Hardware/Software		1	FY98	GFE	RFT
002	ULTRA 2 Hardware/ Software		1	FY98	GFE	RFT
003	ULTRA 2 Hardware/ Software		4	FY99	GFE	
004	N-PFPS Hardware/ Software		8	FY99	GFE	
005	TSCM Hardware/ Software		5	FY99	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: SWATSLANT
LOCATION, UIC: NAS Oceana, VA 47157

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
006	ULTRA 2 Hardware/ Software		3	FY98	GFE	RFT
007	N-PFPS Hardware/ Software		6	FY99	GFE	
008	TSCM Hardware/ Software		1	FY99	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: SFWSPAC
LOCATION, UIC: NAS Lemoore, CA 35185

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
009	ULTRA 2 Hardware/ Software		2	FY99	GFE	
010	N-PFPS Hardware/ Software		6	FY99	GFE	
011	TSCM Hardware/ Software		2	FY99	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: SFWSLANT
LOCATION, UIC: NAS Cecil Field, FL 47084

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
012	ULTRA 2 Hardware/ Software		2	FY98	GFE	RFT
013	N-PFPS Hardware/ Software		6	FY99	GFE	
014	TSCM Hardware/ Software		1	FY99	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: ECWS
LOCATION, UIC: NAS Whidbey Island, WA 47445

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
015	N-PFPS Hardware/ Software		6	FY99	GFE	
016	TSCM Hardware/ Software		2	FY99	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: AEW WTU
LOCATION, UIC: NAWC Pt Mugu, CA

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
017	ULTRA 2 Hardware/ Software		2	FY99	GFE	
018	N-PFPS Hardware/ Software		6	FY99	GFE	
019	TSCM Hardware/ Software		2	FY99	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: HS WTU PAC
LOCATION, UIC: NAS North Island, CA

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
020	N-PFPS Hardware/ Software		6	FY99	GFE	
021	TSCM Hardware/ Software		2	FY99	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: HS WTU LANT
LOCATION, UIC: NAS Mayport, FL

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
022	N-PFPS Hardware/ Software		6	FY99	GFE	
023	TSCM Hardware/ Software		2	FY99	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: SEACONWPNSLANT
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
024	N-PFPS Hardware/ Software		6	FY99	GFE	
025	TSCM Hardware/ Software		1	FY99	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: MINEWARTRACEN
LOCATION, UIC: Ingleside, TX 62603

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
026	ULTRA 2 Hardware/ Software		1	FY99	GFE	
027	TSCM Hardware/ Software		1	FY99	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: MAWTS-1
LOCATION, UIC: MCAS Yuma, AZ 62974

CIN, COURSE TITLE: Mission Planning

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
028	CVIC Hardware/ Software		1	FY99	GFE	
029	ULTRA 2 Hardware/ Software		2	FY98	GFE	RFT
030	ULTRA 2 Hardware/ Software		3	FY99	GFE	
031	N-PFPS Hardware/ Software		8	FY99	GFE	
032	TSCM Hardware/ Software		4	FY99	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: SWATSCOLPAC
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE: Mission Planning
TAMPS System Administrator

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
033	CVIC Hardware/ Software		1	FY98	GFE	RFT
034	ULTRA 2 Hardware/ Software		2	FY98	GFE	RFT
035	ULTRA 2 Hardware/ Software		5	FY99	GFE	
036	N-PFPS Hardware/ Software		6	FY99	GFE	
037	TSCM Hardware/ Software		3	FY99	GFE	

Element IV.A.1. **TTE/GPTE/SPTE/ST/GPETE/SPETE** (Cont'd)

TRAINING ACTIVITY: NMITC
LOCATION, UIC: Dam Neck, VA 0387A

CIN, COURSE TITLE: TAMPS System Administrator

ITEM NUMBER	EQUIPMENT	TYPE OR RANGE OF REPAIR PARTS	QUANT REQD	DATE REQD	GFE CFE	STATUS
TTE						
038	CVIC Hardware/ Software		1	FY98	GFE	RFT
039	ULTRA 2 Hardware/ Software		2	FY98	GFE	RFT
040	ULTRA 2 Hardware/ Software		5	FY99	GFE	
041	N-PFPS Hardware/ Software		6	FY99	GFE	
042	TSCM Hardware/ Software		3	FY99	GFE	

Element IV.A.2. **Training Devices**

DEVICE:
DESCRIPTION OF DEVICE:
MANUFACTURER:
CONTRACT NUMBER:
TEE STATUS:

TRAINING ACTIVITY LOCATION, UIC	QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED

Not Applicable

Section IV.B. **COURSEWARE REQUIREMENTS**

Element IV.B.1. **Training Services**

COURSE/TYPE OF TRAINING	SCHOOL, LOCATION, UIC	NO. OF PERSONNEL	MAN WEEKS REQUIRED	BEGIN DATE

All initial training courses for the TAMPS has been completed.

Element IV.B.2. **Curricula Materials and Training Aids**

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Cecil Field, FL 65550

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: VFA-122
LOCATION, UIC: NAS Lemoore, CA

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	FY00	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore, CA 65559

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: VF-101
LOCATION, UIC: NAS Oceana, VA 65552

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: VAW-120
LOCATION, UIC: NAS Norfolk, VA 09527

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: VS-41
LOCATION, UIC: NAS North Island, CA 09298

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: VAQ-129
LOCATION, UIC: NAS Whidbey Island, WA 30694

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: VP-30
LOCATION, UIC: NAS Jacksonville, FL 09047

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	FY99	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: HC-2
LOCATION, UIC: NAS Norfolk, VA

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	FY00	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: HC-3
LOCATION, UIC: NAS North Island, CA 69822

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	FY00	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: HS-10
LOCATION, UIC: NAS North Island, CA 09299

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: HSL-40
LOCATION, UIC: NAF Mayport, FL 53912

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: HSL-41
LOCATION, UIC: NAS North Island, CA 55138

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: HMT-204
LOCATION, UIC: MCAS New River, NC 28545

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: HMT-301
LOCATION, UIC: MCAS Kaneohe, HI 52843

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: HMT-302
LOCATION, UIC: MCAS New River, NC 28545

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: HMT-303
LOCATION, UIC: Camp Pendleton, CA 55176

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: VMFAT-101
LOCATION, UIC: NAS Miramar, CA 45526

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: VMAT-203
LOCATION, UIC: MCAS Cherry Point, NC 45483

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: VMGRT-253
LOCATION, UIC: MCAS Cherry Point, NC 28533

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(1) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: SWATSLANT
LOCATION, UIC: NAS Oceana, VA 47457

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: SFWSLANT
LOCATION, UIC: NAS Cecil Field, FL 47084

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: SFWSPAC
LOCATION, UIC: NAS Lemoore, CA 35185

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: SWATSCOLPAC
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: SEACONWPNSLANT
LOCATION, UIC: NAS Cecil Field, FL 52955

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: ECWS
LOCATION, UIC: NAS Whidbey Island, WA 47445

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: MINEWARTRACEN
LOCATION, UIC: Ingleside, TX 62603

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus at the FRS's. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: AEW WTU
LOCATION, UIC: NAWC Pt Mugu, CA

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: HS WTU PAC
LOCATION, UIC: NAS North Island, CA

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: HS WTU LANT
LOCATION, UIC: NAS Mayport, FL

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: MAWTS-1
LOCATION, UIC: MCAS Yuma, AZ 62974

CIN, COURSE TITLE: Mission Planning

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(20) Training Course, Trainee Guide			
(3) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

TRAINING ACTIVITY: NMITC
LOCATION, UIC: Dam Neck, VA 0387A

CIN, COURSE TITLE: TAMPS System Administrator

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(25) Student achievement Test			
(25) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.2. **Curricula Materials and Training Aids** (Cont'd)

TRAINING ACTIVITY: SWATSCOLPAC
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE: TAMPS System Administrator

TYPES OF MATERIAL OR AID	QUANT REQD	DATE REQD	STATUS
(1) Training Course, Curriculum Outlines	1 SET	RFT	
(25) Student Achievement Test			
(25) Training Course, Trainee Guide			
(1) Training Course, Lesson Plan			
(2) Soft copies of Training Materials			
(1) Index of Training Courses/Equipment/Audio Visual Aids			

Note: Instructional material for TAMPS applications will be incorporated into the type aircraft mission planning syllabus. Applicable instructional material for TAMPS software release 6.2K will be incorporated into the existing syllabus concurrent with the software installation.

Element IV.B.3. **Technical Manuals**

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Cecil Field, FL 65550

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: VFA-122
LOCATION, UIC: NAS Lemoore, CA

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	FY00	
System Administrator Manual	Hard Copy	1	FY00	

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore, CA 65559

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

Element IV.B.3. **Technical Manuals** (Cont'd)

TRAINING ACTIVITY: VF-101
LOCATION, UIC: NAS Oceana, VA 65552

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: VAW-120
LOCATION, UIC: NAS Norfolk, VA 09527

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: VS-41
LOCATION, UIC: NAS North Island, CA 09298

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

Element IV.B.3. **Technical Manuals** (Cont'd)

TRAINING ACTIVITY: VAQ-129
LOCATION, UIC: NAS Whidbey Island, WA 30694

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: VP-30
LOCATION, UIC: NAS Jacksonville, FL 09047

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	FY99	
System Administrator Manual	Hard Copy	1	FY99	

TRAINING ACTIVITY: HC-2
LOCATION, UIC: NAS Norfolk, VA
CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	FY00	
System Administrator Manual	Hard Copy	1	FY00	

Element IV.B.3. **Technical Manuals** (Cont'd)

TRAINING ACTIVITY: HC-3
LOCATION, UIC: NAS North Island, CA 69822

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	FY00	
System Administrator Manual	Hard Copy	1	FY00	

TRAINING ACTIVITY: HS-10
LOCATION, UIC: NAS North Island, CA 09299

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: HSL-40
LOCATION, UIC: NAF Mayport, FL 53912

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

Element IV.B.3. **Technical Manuals** (Cont'd)

TRAINING ACTIVITY: HSL-41
LOCATION, UIC: NAS North Island, CA 55138

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: HMT-204
LOCATION, UIC: MCAS New River, NC 28545

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: HMT-301
LOCATION, UIC: MCAS Kaneoha, HI 52843

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

Element IV.B.3. **Technical Manuals** (Cont'd)

TRAINING ACTIVITY: HMT-302
LOCATION, UIC: MCAS New River, NC 28545

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: HMT-303
LOCATION, UIC: Camp Pendleton, CA 55176

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: VMFAT-101
LOCATION, UIC: NAS Miramar, CA 45526

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

Element IV.B.3. **Technical Manuals** (Cont'd)

TRAINING ACTIVITY: VMAT-203
LOCATION, UIC: MCAS Cherry Point, NC 45483

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: VMGRT-253
LOCATION, UIC: MCAS Cherry Point, NC 28533

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	1	RFT	
System Administrator Manual	Hard Copy	1	RFT	

TRAINING ACTIVITY: SWATSLANT
LOCATION, UIC: NAS Oceana, VA 47157

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

Element IV.B.3. **Technical Manuals** (Cont'd)

TRAINING ACTIVITY: SFWSLANT
LOCATION, UIC: NAS Cecil Field, FL 47084

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

TRAINING ACTIVITY: SFWSPAC
LOCATION, UIC: NAS Lemoore, CA 35185

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

TRAINING ACTIVITY: SWATSCOLPAC
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	

Element IV.B.3. **Technical Manuals** (Cont'd)

TRAINING ACTIVITY: SEACONWPNSLANT
LOCATION, UIC: NAS Cecil Field, FL 52955

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

TRAINING ACTIVITY: ECWS
LOCATION, UIC: NAS Whidbey Island, WA 47445

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

TRAINING ACTIVITY: AEW WTU
LOCATION, UIC: NAWC Pt Mugu, CA

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

Element IV.B.3. **Technical Manuals** (Cont'd)

TRAINING ACTIVITY: HS WTU PAC
LOCATION, UIC: NAS North Island, CA

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

TRAINING ACTIVITY: HS WTU LANT
LOCATION, UIC: NAS Mayport, FL

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

TRAINING ACTIVITY: MINEWARTRACEN
LOCATION, UIC: Ingleside, TX 62603

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

Element IV.B.3. **Technical Manuals** (Cont'd)

TRAINING ACTIVITY: MAWTS-1
LOCATION, UIC: MCAS Yuma, AZ 62974

CIN, COURSE TITLE: Mission Planning

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
Mission Planner Manual	Hard Copy	8	RFT	
System Administrator Manual	Hard Copy	2	RFT	

TRAINING ACTIVITY: NMITC
LOCATION, UIC: Dam Neck, VA 0387A

CIN, COURSE TITLE: TAMPS System Administrator

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
System Administrator User's Manual	Hard Copy	10	RFT	
Mission Planner User's Manual	Hard Copy	4	RFT	

TRAINING ACTIVITY: SWATSCOLPAC
LOCATION, UIC: NAS North Island, CA 47721

CIN, COURSE TITLE: TAMPS System Administrator

TECHNICAL MANUAL TITLE/NUMBER	MEDIUM	QUANT REQD	DATE REQD	STATUS
System Administrator User's Manual	Hard Copy	10	RFT	

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PEO (CU)	Commence Analysis of Manpower, Personnel and Training Requirements		Complete
PMA233	Fleet Introduction of TAMPS Hosted on Microvax		Complete
FRS/NMITC	Commence TAMPS/Microvax Follow-on Training		Complete
PMA233	Begin Fleet Introduction of TAMPS Hosted on DTC-II		Complete
FRS/Weapon School	Commence DTC-II/Software Release 5.0 Aircrew Follow-on Training		Complete
N6	Approve and Promulgate NTP		Complete
NMITC	Commence DTC-II/Software Release 5.0 System Administrator Follow-on Training		Complete
N6	Approve and Promulgate Updated NTP (Revision A)		Complete
PMA233	Begin Fleet Introduction of TAMPS Hosted on TAC-III		Complete
PMA233	Begin Fleet Introduction of TAMPS Hosted on ACE/VME		Complete
NMITC/ SWATSCOLPAC	Commence TAMPS/Software Release 6.0.3 System Administrator Follow-on Training		Complete
FRS/Weapon School	Commence TAMPS/Software Release 6.0.3 Aircrew Follow-on Training		Complete
N6	Approve and Promulgate Update NTP (Revision B)		Complete
NMITC/ SWATSCOLPAC	Commence TAMPS/Software Release 6.1 System Administrator Follow-on Training		Complete
FRS/Weapon School	Commence TAMPS/Software Release 6.1 Aircrew Follow-on Training		Complete
PMA205	Promulgate Draft Update NTSP (Revision C) to ALCON for Review and Comment		Complete
PMA205	Submit Proposed Update NTSP (Revision C) for OPNAV Review	4/99	
N889	Approve and Promulgate Update NTSP (Revision C)	5/99	

PART VI - DECISION ITEMS/ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS

No Decision Items/Actions Required are pending at this time.

PART VII - POINTS OF CONTACT

NAME/ACTIVITY/CODE	FUNCTION	TELEPHONE NUMBER DSN/COMMERCIAL
LCDR R. Rivera CNO/N62H1	Resource/Program Sponsor	DSN 329-1444 Comm 703-601-1444
LCDR G. Painter CNO/N6TT1C	Assistant for Training	DSN 329-1485 Comm 703-601-1485
CDR D. Taylor CNO/N880D4/G9	Aviation Mission Planning Requirements Officer	DSN 224-2842 Comm 703-614-2842
CAPT F. Smith CNO/N889H2	Aviation Technical Training	DSN 664-7730 Comm 703-604-7730
CAPT R. Moebius PEO(T)/PMA233	NavMPS Program Manager	DSN 757-8024 Comm 301-757-8024
Mr. C. Witkowski PEO(T)/PMA2334	NavMPS Fleet Liaison	DSN 757-8014 Comm 301-757-8014
Mr. M. Mancini NAVAIRSYSCOM/ PMA205-3F	NavMPS APMTS	DSN 757-8132 Comm 301-757-8132
Mr. J. Cleer NAVAIRSYSCOM/ PMA233	NavMPS APML	DSN 757-7279 Comm 301-757-7279
Mr. D. Salmon SPAWAR C4I Programs Office, Philadelphia	Fleet Support	DSN 442-8071 Comm 215-214-8071
Mr. D. Gleiter NAWC A/C Division	System Software Design	DSN 441-2488 Comm 215-441-2488
CAPT Mayberry NSAWC/092	NavMPS Model Manager	DSN 830-3812 Comm 702-426-3812
LCDR D. Erickson COMOPTEVFOR/521	Operational Test Coordinator	DSN 564-5088 Comm 804-444-5088
LCDR M. Thompson COMTRALANT/N731		DSN 564-2714 Comm 804-444-2714
LT K. Rigazzi NMITC/N26		DSN 433-0170 Comm 757-433-0170